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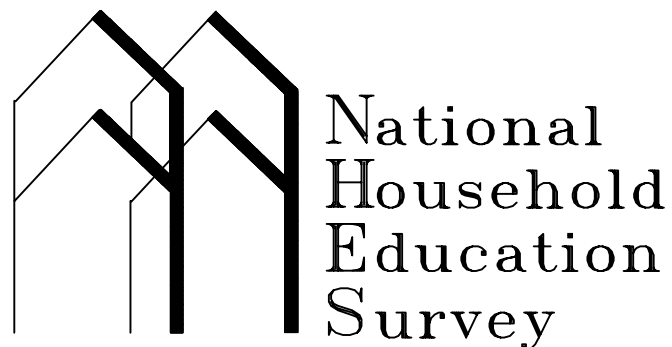User's Manual   October 2000

National Household Education Survey of 1999

Data File User's Manual

Volume IV

Adult Education Interview Data File

National
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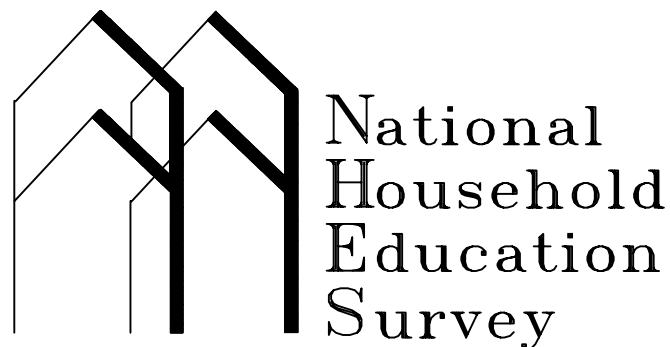# NATIONAL CENTER FOR EDUCATION STATISTICS

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Survey

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INTRODUCTION

The 1999 National Household Education Survey (NHES:1999) was a random digit dial (RDD) telephone survey of households developed by the National Center for Education Statistics (NCES) and conducted by Westat. The NHES:1999 was a compilation of key items from previous NHES survey years, and included three interviews:

■ The Parent Interview, in which data were collected on a variety of topics including early childhood program participation, types and frequency of family involvement in children's schooling, school practices to involve and support families, learning activities with children outside of school, and plans for their children's postsecondary education;

■ The Youth Interview, in which children in 6th through 12th grades, whose parents had completed a Parent Interview, were asked about school and family environments, civic involvement and community service, and plans for postsecondary education.

■ The Adult Education Interview, in which data, such as type of program, employer support, and degree sought, were collected on characteristics of participation in six types of adult educational activities, including English as a second langage, adult basic education, credential programs, apprenticeships, work-related courses, and personal development courses.

There were three populations of interest for the NHES:1999:

■ Children birth through grade 12, whose parents completed the Parent Interview, which was structured according to the age and grade of their children;

■ Students in grades 6 through 12, whose parent completed the Parent Interview; and

■ Adults, defined as persons 16 years old or older, not enrolled in grade 12 or below, and not on active duty in the military, whose responses to the Adult Education Interview provided estimates representative of all civilian U.S. adults.

The NHES:1999 Screener enumerated household members and collected demographic and educational information to determine eligibility for extended interviews. Data were collected from January through April 1999.

This manual, the *NHES:1999 Data File User's Manual, Volume IV-Adult Education Interview Data File,* provides documentation and guidance for users of the public release data file for the Adult Education Interview of the 1999 National Household Education Survey (NHES:1999). This volume contains a description of the data file and a discussion of data considerations and anomalies. Included as appendixes are the public file layout, SAS code for creating derived variables, crosswalks of items asked in the NHES:1999 Adult Education Interview and previous NHES administrations, the codebook for the Adult Education Interview public data file, directions and code for linking data files, and coding manuals for major field of study and industry and occupation.

Volume IV is meant to be read in conjunction with the *NHES:1999 Data File User's Manual, Volume I.* More information about the purpose of the study, the sample design, the other survey components, the data collection instruments, and data collection and data processing procedures is contained in the *NHES:1999 Data File User's Manual, Volume I.* Information about the Parent Interview public data file and the Youth Interview public data file can be found in Volumes II and III of the manual, respectively.

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6. GUIDE TO THE DATA FILE AND CODEBOOK

6.1 Content and Organization of the Data File

This section describes the content of the public release data file constructed for the NHES:1999 Adult Education Interview. This file contains data from all completed Adult Education Interviews. There is one record for each Adult Education Interview completed, and the file contains 6,697 cases. The file is organized so that logically related sets of variables are grouped together. The data items are listed in the file in the following order: system variables, household membership variables, questionnaire item variables, derived variables, weighting and variance estimation variables, and imputation flag variables.

A list of all the variables in the data file is shown in appendix C. The VARIABLE NAME column displays the unique identifier for each variable in the data file. The VARIABLE LABEL column displays a short description associated with the variable. The FORMAT column indicates if a variable has a numeric ("N") or a character ("C") format. All of the variables except MAINRSLT in the Adult Education Interview file have numeric formats. The LENGTH column indicates the length of the variable by the number of digits. The length descriptor also includes the number of digits found after the decimal point for noninteger numeric variables (e.g., weight variables). The position of the variable is indicated in the START and END column and indicates the position in the file where the variable begins and ends.

The value "-1" for any variable on the file indicates that a case was part of a legitimate skip. For example, if the adult learned English as his/her first language (IBLANG), the question about what language he/she speaks most at home (IBSPEAK) would be -1; the question would not have been asked because the adult speaks English.

The NHES:1999 data files are provided on CD-ROM and are accessible through an Electronic CodeBook (ECB) that allows data users to view variable frequencies, tag variables for extraction, and create the SAS, SPSS for Windows, or STATA code needed to create an extract file for analysis purposes. The ECB contains all NHES:1999 data sets: the Parent Interview file, the Youth Interview file, and the Adult Education Interview file. Instructions for using the CD-ROM and ECB are provided in a separate document, the *National Household Education Survey Electronic CodeBook User's Guide* (Nolin et al., 2000). The sections that follow describe the contents of the Adult Education Interview public data file.

6.1.1 System Variables

System variables are created during the conduct of an interview and are instrumental in the successful administration of the interview. Their creation is transparent to the interviewer and to the respondent. System variables fall into two categories: linking variables (record identifiers or ID numbers) and interview status variables. Linking variables are record identifiers that provide a link to other interviews completed in the same household. (See appendix G for more information about linking between files.) Status variables are set at the completion of each interview to define completion status.

BASMID is the unique 12-digit identifier variable for the interview. It is composed of the eight-digit household identifier, the two-digit household member person number of the subject of the interview, and the last two-digit number, 01, for all Adult Education Interviews.

ENUMID is the 10-digit identifier variable for the subject of the interview. It is composed of the eight-digit household identifier and the two-digit household member person number of the subject of the interview. ENUMID can be used to link the Adult Education Interview to the Parent and Youth Interviews. See appendix G for instructions.

MAINRSLT (main result) is the variable that holds the final completion code for the interview.

The values for MAINRSLT are:

CP = Complete AE interview; sampled as participant, completed as participant
CU = Complete AE interview; sampled as non-participant, completed as non-participant
CX = Complete AE interview; sampled as participant, completed as non-participant
CZ = Complete AE interview; sampled as non-participant, completed as participant

ENGLSPAN is the variable that indicates whether the interview was conducted in English or in Spanish.

The values for ENGLSPAN are:

1 = Interview was conducted in English
2 = Interview was conducted in Spanish

6.1.2 Household Membership Variables

All household members were enumerated in the Screener interview. Data collected included the age and sex of each household member. The gender data collected during the household enumeration in the Screener interview were used to drive the gender-based wording of subsequent questions throughout the Adult Education Interview.

The household membership information is stored on the public release data file in the following order: information about the sampled adult, and information on all other household members. The variables appear on the data file as follows.

AAGE98 is the age of the sampled adult as of December 31, 1998.

SEX is the sex of the sampled adult.

AGE1 through AGE11 is the age of each enumerated household member other than the sampled adult.

SEX1 through SEX11 is the sex of each enumerated household member other than the sampled adult.

6.1.3 Questionnaire Item Variables

The questionnaire item variables appear on the file in the same order as they were asked. Refer to the questionnaire in Volume I, appendix A, for the order. The items on enrollment and grade in school appear in the Screener and the Adult Education Interview. The Adult Education Interview responses have been retained, because they are responses given by the adult him/herself.

Some variables were excluded from the file for confidentiality reasons. These include the names of household members, verbatim string responses that might identify persons or places, and the individual ZIP Codes (HZIPCODE). Some of these variables are included in a separate restricted-use data file (see section 6.3 below). The Adult Education Interview questionnaire appears with the Screener, the Parent Interview, and the Youth Interview questionnaires in Volume I, appendix A; variable names are provided to the left of each question. Those followed by "/R" appear only on a restricted-use data file that may be obtained through a special licensing agreement with NCES. To learn more about getting a license, go to the NCES Web site at http://nces.ed.gov/pubsearch/licenses.asp. (A cross-reference of NHES:1999 questionnaire variables with those of previous NHES surveys is provided in appendix E.)

"Code all that apply" questions allowed the respondent to select more than one of the answer categories given. As the responses were given, the interviewer coded the number appearing on the screen that corresponded to each response given. The numbered responses were recoded into one variable for each response category as "yes/no" codes. If the respondent gave the particular response, the associated variable was coded "yes." Otherwise, the associated variable was coded "no." There are nine "code all that apply" questions in the Adult Education Interview: "What types of technologies were used for the teacher and students to communicate?" (AB13, AC14, AD12, AF12, AG5), "Thinking about all of the career or job related courses you took in the past 12 months, what type of school, organization, or business provided the instruction?" (AF7, AG3), "For any of these courses, what was the main reason you took the course?" (AG2), and "What have you been doing in the past 4 weeks to find work?" (AJ8).

If a value for a response option is found in the questionnaire, but is not found in the frequency, no respondent selected that response. The variables that meet this condition include ESWKS, ESINTV, ESINEMA, ESINCOM, ESINWWW, ESINSAT, ESINVID, and ESINOTH.

6.1.4 Household Characteristics Variables

Household characteristics variables are variables that reflect characteristics of the household as a unit. These questions were asked at the end of the first Adult Education Interview in the household. For example, questions were asked about whether the home was owned or rented (HOWNHOME), and whether the family received food stamps in the past 12 months (HFOODST). These household items appear on the file in the same order as they were asked.

6.1.5 Derived Variables

Derived variables were developed and included in the public use data file to aid users in their analyses. The derived variables fall into three categories: questionnaire item variables, counter variables, and variables linked to other data sources. Questionnaire item-derived variables were created by combining two or more items from the questionnaire. Counter-derived variables were created by counting the number of persons enumerated in the household with specific characteristics. Linked-derived variables were created by using the respondent's ZIP Code to extract data from the 1990 Census of Population Summary Tape File 3B (STF3B).

The derived variables appear together on the file in their own section in alphabetical order. They are listed below in the same order with an explanation of how they were derived. The actual SAS code to create these variables is found in appendix D, with the exception of counter variables and CENREG (Census region). All unique NHES:1999 ZIP Codes were matched to ZIP Codes on the STF3B to extract urbanicity, the percent black or Hispanic, and the percent of persons under age 18 living in poverty.

AELABOR designates the adult's labor force status. It was created from the responses to IBWORK (AA5), IBLEAVE (AA6), and JOBLOOK (AJ7) in combination with JOBPUBL (AJ8), JOBPRIV (AJ8), JOBEMPL (AJ8), JOBREL (AJ8), JOBANSAD (AJ8), and JOBREAD (AJ8).

The values for AELABOR are:

1 = Employed, in labor force
2 = Unemployed, in labor force
3 = Not in labor force

AELABOR2 is another variable classifying the adult's labor force status. It was created from the responses to IBWORK (AA5), IBLEAVE (AA6), and JOBLOOK (AJ7) in combination with JOBPUBL (AJ8), JOBPRIV (AJ8), JOBEMPL (AJ8), JOBREL (AJ8), JOBANSAD (AJ8), JOBREAD (AJ8), and JOBTAKE (AJ10).

The values for AELABOR2 are:

1 = Employed, in labor force
2 = Unemployed, in labor force
3 = Not in labor force

AEPARTIC indicates whether the adult participated in adult education activities in the previous 12 months, excluding full-time credential programs. This was created from the variables ESLANG (AB1), BSIMPROV (AC1a), BSGED (AC1b), BSHSEQUV (AC1c), BSATDAY (AC2), CRDEGREE (AD1a), CRVOCDIP (AD1b), CRPTFT (AD10), APPRENTI (AE1), WRACTY (AF1), and SAACTY (AG1).

The values for AEPARTIC are:

1 = Yes
0 = No

AEPARANY indicates whether the adult participated in any types of adult education activities in the previous 12 months including full-time credential programs. This was created from the variables ESLANG (AB1), BSIMPROV (AC1a), BSGED (AC1b), BSHSEQUV (AC1c), BSATDAY (AC2), CRDEGREE (AD1a), CRVOCDIP (AD1b), APPRENTI (AE1), WRACTY (AF1), and SAACTY (AG1).

The values for AEPARANY are:

1 = Yes
0 = No

ANYSUPP indicates whether the respondent's employer provided support including providing instruction for any adult education. Adults are coded -1, inapplicable, if they were not participants in ESL classes, ABE/GED classes, credential, and/or work-related courses. Adults who are participants in these types of activities and did not work in the previous 12 months are coded 0 (No) on this derived variable. Apprenticeship programs and other formal structured activities are not included in this derived variable, because comparable items on employer support were not asked for those activities. Thus, this item is inapplicable (-1) in those cases in which the adult did not participate in any of the relevant types of AE. The measure of employer support was created from the derived variables ESSUPP, BSSUPP, CRSUPP, and WRSUPP (described below).

The values for ANYSUPP are:

1 = Yes
0 = No
-1 = Nonparticipant

BSPARTIC indicates whether the adult has participated in ESL or ABE/GED classes in the previous 12 months. This was created from the variables BSIMPROV (AC1a), BSGED (AC1b), BSHSEQUV (AC1c), BSATDAY (AC2), and ESLANG (AB1).

The values for BSPARTIC are:

1 = Yes
0 = No

BSSUPP is a composite variable that indicates whether the respondent's employer provided support, including providing instruction, giving time off with or without pay, providing classroom support, or paying all or part of the cost for basic education classes or progams. Adults are coded 0, No, if they are ABE/GED class participants and did not work in the previous 12 months. Adults are coded -1, inapplicable, if they were not participants in basic skills activities. The measure of support for participating adults was created from the variables BSIMPROV (AC1a), BSGED (AC1b), BSHSEQUV (AC1c), BSATDAY (AC2), BSPROVEM (AC10), BSEMPWP (AC11b), BSEMPSPA (AC11c), and BSEMPPAY (AC11d).

The value for BSSUPP are:

1 = Yes
0 = No
-1 = Nonparticipant

BSTIMED gives the hours per week of participation in ABE/GED classes. This <u>continuous</u> variable was derived from BSIMPROV(AC1a), BSGED (AC1b), BSHSEQUV (AC1c), BSATDAY (AC2), BSHRSUNT (AC7), BSHRS (AC7), BSWHEN (AC5), and BSWHENUN (AC5). Time reported in units other than hours per week were converted as shown in the derived variable code. See section 7.1.7 for additional discussion of the conversion of time units to hours per week. Adults are coded -1, inapplicable, if they are not participants in ABE/GED classes.

BSWEEK designates the number of weeks for participation in ABE/GED classes. This continuous variable was derived from the variables BSIMPROV (AC1a), BSGED (AC1b), BSHSEQUV (AC1c), BSATDAY (AC2), BSWHENUN (AC5), and BSWHEN (AC5). Class length reported in units other than weeks was converted as shown in the derived variable code. Adults are coded -1, inapplicable, if they are not participants in ABE/GED classes.

CENREG identifies the Census region for each record. This variable was created by linking states and telephone area codes of sampled adults. Once the link between states and adults was established, the Census regions were assigned as given below.

The following states and the District of Columbia are in each Census region:

Northeast: PA, NY, NJ, CT, RI, MA, VT, NH, ME
South: OK, TX, MS, AL, TN, KY, WV, MD, DE, DC, VA, NC, SC, GA, FL, LA, AR
Midwest: ND, SD, NE, KS, MN, IA, MO, WI, IL, MI, IN, OH
West: WA, OR, CA, NV, AZ, NM, UT, CO, WY, ID, MT, AK, HI

The values for CENREG are:

1 = Northeast
2 = South
3 = Midwest
4 = West

CRDIPART is a composite variable that indicates whether the adult has participated in college and university degree programs or vocational/technical diploma or certificate programs in either part-time or full-time status in the past 12 months. This was created from the variables CRDEGREE (AD1a) and CRVOCDIP (AD1b).

The values for CRDIPART are:

1 = Yes
0 = No

CRSUPP is a composite variable that indicates whether the respondent's employer provided support including providing instruction, giving time off with or without pay, providing classroom space, or paying all or part of the cost for credential programs. Adults who are credential program participants and did not work in the previous 12 months are coded 0 (No) on this derived variable. Adults were coded as -1 if CRVOCDIP (AD1a) and CRDEGREE (AD1b), the credential participation items, were both no. The measure of support was created from the variables CRPROVEM (AD7), CREMPWP (AD8b), CREMPSPA (AD8c), and CREMPPAY (AD8d).

The values for CRSUPP are:

1 = Yes
0 = No
-1 = Nonparticipant

DISTEDUC is a composite variable that indicates whether the respondent has participated in any courses or programs through distance education. This derived variable is inapplicable (-1) in those cases in which the adult did not participate in any of the relevant types of adult education (i.e., ESL classes, ABE/GED classes, credential, work-related courses, and personal development courses). This was created from the variables ESLANG (AB1), BSIMPROV (AC1a), BSGED (AC1b), BSHSEQUV (AC1c), BSATDAY (AC2), CRDEGREE (AD1a), CRVOCDIP (AD1b), WRACTY (AF1), SAACTY (AG1), ESDIST (AB12), BSDIST (AC13), CRDIST (AD11), WRDIST (AF11), and SADIST (AG4).

The values for DISTEDUC are:

1 = Yes
2 = No
-1 = Nonparticipant

ESSUPP is a composite variable that identifies whether the respondent's employer provided support, including providing instruction, giving time off with or without pay, providing classroom space, or paying all or part of the cost for ESL classes. This was created by the variables ESLANG (AB1), ESPROVEM (AB9), ESEMPWP (AB10b), ESEMPSPA (AB10c), and ESEMPPAY (AB10d). Adults who are participants in ESL classes and did not work in the previous 12 months are coded 0 (No) on this derived variable. This variable is inapplicable (-1) for adults who did not participate in ESL classes.

The values for ESSUPP are:

1 = Yes
0 = No
-1 = Nonparticipant

ESTIMED shows the hours per week of participation in ESL classes. This variable was derived from ESLANG (AB1), ESWHEN (AB4), ESWHENUN (AB4), ESHRS (AB6), and ESHRSUNT (AB6). Time reported in units other than hours per week was converted as shown in the derived variable code. Adults are coded -1, inapplicable, if they are not participants in ESL classes.

ESWEEK gives the number of weeks the adult attended ESL classes. This was determined from the variables ESLANG (AB1), ESWHEN (AB4), and ESWHENUN (AB4). Class or course length given in units other than weeks was converted as shown in the derived variable code. Adults are coded -1, inapplicable, if they are not participants in ESL activities.

HH18OVER is the counter-derived variable that indicates the number of household members age 18 and older, including the sampled adult. The responses collected at S6 or PA7 were counted for this variable.

HHTOTAL is a counter-derived variable that indicates the total number of household members.

HHUNDR18 is the counter-derived variable that indicates the total number of household members younger than 18 years old, including the sampled adult.

HIGHEDUC is principally a recode of IBGRADE (AA1). In cases in which the respondent indicates that his/her highest level of schooling is vocational or technical after high school or 1 to 2 years of college, IBDIPL (AA2) is used to ascertain that the respondent obtained a high school diploma.

The values for HIGHEDUC are:

1 = Less than high school diploma
2 = High school diploma or its equivalent
3 = Associate's degree
4 = Bachelor's degree or higher

EDUCLEVL is an alternative measure of educational attainment of adults. In cases in which the respondent indicates that his/her highest level of schooling is vocational or technical after high school or 1 to 2 years of college (IBGRADE), he/she was assigned to the "Some college, associate's degree, or voc/tech school" category, whereas in HIGHEDUC, those respondents are assigned to the category "High school diploma or its equivalent."

The values for EDUCLEVL are:

1 = Less than high school diploma
2 = High school diploma or its equivalent
3 = Some college, associate's degree, or voc/tech school
4 = Bachelor's degree or higher

RACEETHN classifies the race and ethnicity of the adult in a single measure. It was created using the variables AHISPAN1 (AJ4) and ARACE (AJ2). If the respondent identifies his or her ethnicity as Hispanic, RACEETHN is Hispanic regardless of whether race was identified as white, black, or another race.

The values for RACEETHN are:

1 = White, non-Hispanic
2 = Black, non-Hispanic
3 = Hispanic
4 = All other races (e.g., American Indian or Alaska Native, Asian or Pacific Islander), non-Hispanic

RACEETH2 is an alternative measure of the respondent's race and ethnicity with a separate category for Asian or Pacific Islander. This variable was created using ARACE (AJ2) and AHISPANI (AJ4).

The values for RACEETH2 are:

1 = White, non-Hispanic
2 = Black, non-Hispanic
3 = Hispanic
4 = Asian or Pacific Islander
5 = All other races (e.g., American Indian or Alaska Native or other race), non-Hispanic

WRNEW is the counter-derived variable that counts the number of career- or job-related courses in which the respondent has participated. Note that this variable is not limited to sampled courses on which data were collected, but includes all reported courses. Nonparticipants in career- or job-related courses were set to inapplicable (-1) using WRACTY (AF1). Verbatim strings for course names (WRNAME$_{(n)}$, AF4) and don't know and refused responses were counted for this variable. It should be noted that course names are available only on the restricted data file. This variable cannot be created from variables on the public data file.

WRSUPP is the composite variable that measures whether the respondent's employer provided support, including providing instruction, giving time off with or without pay, providing classroom space, or paying all or part of the cost for career- or job-related courses. This was created using the variables WRACTY (AF1), WRPROVEM (AF8), WREMPWP (AF9b), WREMPSPA (AF9c), and WREMPPAY (AF9d). Adults who are participants in career- or job-related courses and did not work in the past 12 months are coded 0 (No) on this derived variable. Nonparticipants in career- or job-related activities are coded -1 on this variable.

The values for WRSUPP are:

1 = Yes
0 = No
-1 = Nonparticipant

ZIP18PO2 is a linked-derived variable that categorizes the percent of families with children under age 18 in the subject's ZIP Code who were below the 1989 poverty line in 1990.

The values for ZIP18PO2 are:

1 = Less than 5 percent
2 = 5–9 percent
3 = 10–19 percent
4 = 20 percent or more

ZIPBLHI2 is a linked-derived variable that categorizes the percent of persons in the subject's ZIP Code who were black or Hispanic in 1990.

The values for ZIPBLHI2 are:

1 = Less than 6 percent
2 = 6–15 percent
3 = 16–40 percent
4 = 41 percent or more

ZIPURBAN is a linked-derived variable that categorizes the subject's ZIP Code as urban or rural in 1990. The definitions for these categories are taken directly from the 1990 Census of Population. An urban area (UA) comprises a place and the adjacent densely settled surrounding territory that together have a minimum population of 50,000 people. The term "place" in the UA definition includes both incorporated places, such as cities and villages, and Census-designated places (unincorporated population clusters for which the Census Bureau delineated boundaries in cooperation with state and local agencies to permit tabulation of data for Census Bureau products). The "densely settled surrounding territory" adjacent to the place consists of contiguous and noncontiguous territory of relatively high population density within short distances. The specific density and distance requirements are defined in the *Federal Register*, Vol. 55, No. 204.

The second category is urban, outside of UA. This category includes incorporated or unincorporated places outside of a UA with a minimum population of 2,500 people. One exception is for those who live in extended cities.[1] Persons living in rural portions of extended cities are classified as rural rather than urban. Places not classified as urban are rural.

Since a ZIP Code can cut across geographic areas that are classified in any of the three categories, the ZIPURBAN variable is classified into the category that has the largest number of persons. For example, if a ZIP Code has 5,000 persons in the first category (urban, inside UA), 0 persons in the second category (urban, outside UA), and 1,200 persons in the third category (rural), it is classified as inside UA.

The values for ZIPURBAN are:

1 = Urban, inside UA
2 = Urban, outside UA
3 = Rural

6.1.6   Weighting and Variance Estimation Variables

The first variable in this section of the file is FAWT. It is the variable that should be used as the weight variable to estimate the characteristics of adults. This weight contains all of the adjustments for the probabilities of selection, nonresponse, and undercoverage as described in Volume I, chapter 3 of this manual.

The 80 replicate weights, FAWT1 to FAWT80, are the next variables in this section. These replicate weights can be used with the WesVar program to produce estimates of the sampling errors of the estimates. More details on how the replicate weights were created and how they can be used with WesVar are given in Volume I, chapter 3, along with an approximation method that does not involve using the WesVar procedure.

The remaining two variables in this section are APSU and ASTRATUM. These variables are provided to enable users to compute sampling errors using Taylor Series approximations, such as the SUDAAN procedure (Shah et al. 1995). The methods used to construct the values for APSU and ASTRATUM are also discussed in Volume I, chapter 3.

6.1.7   Imputation Flag Variables

Item nonresponse occurred when some, but not all, of the responses were missing from an otherwise cooperating respondent. For all the items on the Adult Education Interview public use file, the missing data were imputed, or "filled in," to help users of the data. For each variable involved in imputation, an imputation flag variable was created. If there is no imputation flag, then no imputation was performed on that variable. This flag can be used to identify imputed values. Volume I, section 3.8 discusses the meaning of values assigned to the imputation flags.

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[1] An extended city is either an incorporated place of any population size inside a UA, or an incorporated place with a population of 2,500 or more people outside a UA that contains one or more component rural areas. Each component rural area must have a population density of less than 100 people per square mile, consist of at least one entire Census block, and include at least 5 square miles of continuous area. An extended city can have both urban and rural population and land areas.

The naming convention for the imputation flag variables was to drop the last letter of the variable name and replace it with an "F." For example, the imputation flag for SEX is SEF. This naming convention holds true for all Adult Education Interview variables except for variables that originally end in "F," variables that will become confused with other variables when the last letter is dropped, or variables that end in a number. In these cases, the letter before the last digit is dropped and replaced with an "F." For example, the imputation flag for AGE4 is AGF4. The imputation flags appear on the file in the same order as the variables to which they refer.

6.1.8   Numeric and Character Variables

All of the variables in the Adult Education Interview file, except MAINRSLT, have numeric formats.

6.2   Guide to the Codebook

The codebook, shown in appendix F, contains complete descriptions of the contents of the data file. The codebook contains system variables, household membership variables, questionnaire variables, derived variables, weighting and variance estimation variables, and imputation flag variables. The codebook provides all the pertinent information for the variables in the file, including the variable name, the question wording, the position and format of the variable in the file, and the responses to the item. The unweighted frequency, unweighted percent, weighted frequency, and weighted percent are provided with each response. Figure 6-1 provides a description of each of the items appearing in the codebook.

6.3   Public and Restricted Data Files

This manual is designed to assist users of the public use Adult Education Interview data file. The public use file contains all the variables detailed above but does not contain certain variables excluded from the file for confidentiality reasons. These include the names of household members, verbatim string responses that might identify persons, and respondents' individual ZIP Codes (HZIPCODE). Some of these variables (e.g., verbatim strings of other-specify categories, HZIPCODE) that are excluded from the public file are included on a separate restricted-use file. These variables are indicated with "/R" on the Adult Education Interview questionnaire in Volume I, appendix A. The restricted data file also contains close to 100 ZIP Code variables from the 1990 Census of Population Summary Tape File 3B (STF3B), including the median household income of the area, the level of community mobility in the area, and the percentage of owner-occupied households in the area. The restricted data file may be obtained through a special licensing agreement with NCES. To learn more about getting a license, go to the NCES Web site at http://nces.ed.gov/pubsearch/licenses.asp

6.4   Linking the Adult Education Interview Data File to Other NHES:1999 Data Files

It is possible to link the Parent, Youth, and Adult Education Interview data files. Instructions for doing so are presented in appendix G.

Figure 6-1. Example of the codebook format

(1) **AA4 – Did you complete your high school requirements through a GED test?**
(2) **Variable Name** :   IBGED   AA4-HIGH SCHOOL DIPLOMA THROUGH GED
(3) **Record Number** : 1
(4) **Position** : 89 - 90
(5) **Format**: N2.
(6) **Comment** : Previous NHES Surveys: 1996, N/A; 1995, IBGED; 1991, NA

(7) **Response**	(8) **Codes**	(9) **Frequency**	(10) **Percent**	(11) **Weighted Frequency**	(12) **Weighted Percent**
1 YES	1	723	10.8	18,460,934	11.5%
2 NO	2	5,280	78.8	142,720,148	88.5%
RESERVED CODE : -1 INAPPLICABLE	-1	694	10.4	33,444,125	
		6,697	100.0	194,625,207	100.0%

DESCRIPTIONS:

1)   Questionnaire number and question wording: This is the exact question wording as it appeared in the questionnaire.

(2)   Variable Name: This is the variable name associated with each item. It is the unique identifier present in the SAS, SPSS, or STATA data file. The variable name is followed by a short label, which is associated with each of the variables. This label also appears in the SAS, SPSS, or STATA data file. Labels contain the questionnaire item numbers. Labels that begin with the letter "D" indicate a derived variable.

(3)   Record Number: Record number gives the record on which the variable is located.

(4)   Position: This provides the starting and ending position of the variable in the raw data file.

(5)   Format Name: This provides the variable type, its width, and the number of positions after the decimal point, if necessary. A data type of "N" represents numeric variables and "C" represents character variables. In this example, IBGED is a numeric variable with a length of 2.

(6)   Comment: Reference to the variable name for question asked in previous NHES surveys is given in comment.

(7)   Response: This column provides the response categories for the variable.

(8)   Codes: This column provides the actual numeric/character codes present in the data files.

(9)   Freq: This column displays the unweighted frequency counts for this variable. The counts for missing values are also included for the unweighted values.

(10)   Percent: This column displays the unweighted frequency counts from the previous column as percentages. This column also contains percentages for missing values.

(11)   Weighted Frequency: This column displays the frequency counts weighted up to the population.

(12)   Weighted Percent: This column displays the percentages of frequency counts weighted up to the population. This column does not include percentages for missing values.

7. DATA CONSIDERATIONS AND ANOMALIES

The purpose of this section is to bring to the user's attention certain data considerations and data anomalies in the NHES:1999 Adult Education Interview data, to describe the nature of those anomalies, and, where appropriate, to identify possible means of taking them into account when analyzing the data.

7.1   Switching Participation Status

In households sampled for an Adult Education Interview, the Screener respondent was asked if each adult residing there had participated in educational activities in the past 12 months. Selection for an adult education interview was based in part on the person's participation status.   Regardless of participation status obtained in the Screener and whether the Screener respondent was the sampled person or another household member, each respondent to the extended interview was asked whether he or she had participated in six types of educational activities during the past year. In 1,195 cases, the respondent gave information that contradicted the information about participation obtained from the Screener respondent.   In 575 cases, a person thought to be a participant in educational activities had not participated, and in 620 cases, a person not known by the Screener respondent to have participated in educational activities reported that he or she had.

7.2   Participants in English as a Second Language Classes

In the NHES:1999 Adult Education Interview, interviews were conducted in English and Spanish.   As a result, adults who do not speak English or Spanish could not interviewed.   Therefore, analysts should be aware of possible underreporting as a result of this coverage limitation.

7.3   Truncation of Adults' Earnings Reported and EARNFLAG

EARNAMT (adults' earnings, AJ15) was truncated at $100,000 per year to limit the disclosure of the identities of adults participating in the survey. For cases in which adults' earnings were reported in units other than "per year," adults' yearly earnings were approximated assuming full-year employment. Then, for all cases with earnings higher than $100,000 per year, EARNAMT was set to $100,000 and EARNUNT (I30) was set to 6 (per year). There is a flag variable on the data file that identifies the cases for which EARNAMT was truncated, called EARNFLAG (1 = truncated; 0 = not truncated). As EARNFLAG indicates, EARNAMT was truncated for 110 cases.

References

Nolin, M.J., Brown, J., Chapman, C., Creighton, S., and Bielick, S. (2000). *National Household Education Survey Electronic CodeBook User's Guide*. (NCES Publication No. 2000–080). Washington, DC: U.S. Department of Education, Office of Educational Research and Improvement, National Center for Education Statistics.

APPENDIX C

**ADULT EDUCATION INTERVIEW
PUBLIC FILE LAYOUT IN POSITION ORDER**

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ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
1	BASMID	ADULT CASE IDENTIFICATION	N	12	1	12
2	ENUMID	SUBJECT ID NUMBER	N	10	13	22
3	MAINRSLT	RESULT CODE FOR EXTENDED	C	2	23	24
4	ENGLSPAN	EXTENDED IN ENGLISH OR SPANISH	N	2	25	26
5	AAGE98	ADULT'S AGE AS OF 12/31/98	N	2	27	28
6	SEX	ADULT'S GENDER	N	2	29	30
7	AGE1	O/HH MEM-#1'S AGE AT SCREENER	N	2	31	32
8	SEX1	O/HH MEM-#1'S GENDER AT SCREENER	N	2	33	34
9	AGE2	O/HH MEM-#2'S AGE AT SCREENER	N	2	35	36
10	SEX2	O/HH MEM-#2'S GENDER AT SCREENER	N	2	37	38
11	AGE3	O/HH MEM-#3'S AGE AT SCREENER	N	2	39	40
12	SEX3	O/HH MEM-#3'S GENDER AT SCREENER	N	2	41	42
13	AGE4	O/HH MEM-#4'S AGE AT SCREENER	N	2	43	44
14	SEX4	O/HH MEM-#4'S GENDER AT SCREENER	N	2	45	46
15	AGE5	O/HH MEM-#5'S AGE AT SCREENER	N	2	47	48
16	SEX5	O/HH MEM-#5'S GENDER AT SCREENER	N	2	49	50
17	AGE6	O/HH MEM-#6'S AGE AT SCREENER	N	2	51	52
18	SEX6	O/HH MEM-#6'S GENDER AT SCREENER	N	2	53	54
19	AGE7	O/HH MEM-#7'S AGE AT SCREENER	N	2	55	56
20	SEX7	O/HH MEM-#7'S GENDER AT SCREENER	N	2	57	58
21	AGE8	O/HH MEM-#8'S AGE AT SCREENER	N	2	59	60
22	SEX8	O/HH MEM-#8'S GENDER AT SCREENER	N	2	61	62
23	AGE9	O/HH MEM-#9'S AGE AT SCREENER	N	2	63	64
24	SEX9	O/HH MEM-#9'S GENDER AT SCREENER	N	2	65	66
25	AGE10	O/HH MEM-#10'S AGE AT SCREENER	N	2	67	68
26	SEX10	O/HH MEM-#10'S GENDER AT SCREENER	N	2	69	70
27	AGE11	O/HH MEM-#11'S AGE AT SCREENER	N	2	71	72
28	SEX11	O/HH MEM-#11'S GENDER AT SCREENER	N	2	73	74
29	IBGRADE	AA1-HIGHEST GRADE/YR OF SCHL COMPLETED	N	2	75	76
30	IBGRAD1	AA1-ACTUAL GRADE 0-8 COMPLETED	N	2	77	78
31	IBGRAD2	AA1-ACTUAL GRADE 9-11 COMPLETED	N	2	79	80
32	IBVOCDIP	AA1OV-RECEIVED VOC/TECH DIPLOMA	N	2	81	82
33	IBDIPL	AA2-HIGH SCHOOL DIPLOMA OR GED	N	2	83	84
34	IBUSDIPL	AA2OV-HIGH SCHOOL DIPLOMA IN U.S.	N	2	85	86
35	IBDIPLYR	AA3-HS DIPL/EQUIV IN LAST 12 MONTHS	N	2	87	88
36	IBGED	AA4-HIGH SCHOOL DIPLOMA THROUGH GED	N	2	89	90
37	IBWORK	AA5-WORKED FOR PAY LAST WEEK	N	2	91	92
38	IBLEAVE	AA6-ON LEAVE OR VACATION LAST WEEK	N	2	93	94
39	IBWORK12	AA7-WORK AT A JOB IN PAST 12 MONTHS	N	2	95	96
40	IBLANG	AA8-FIRST LANGUAGE LEARNED TO SPEAK	N	2	97	98
41	IBSPEAK	AA9-LANGUAGE SPOKEN MOST AT HOME	N	2	99	100
42	READENGL	AA10-HOW WELL READS ENGLISH	N	2	101	102
43	WRITENGL	AA11-HOW WELL WRITES ENGLISH	N	2	103	104
44	ESLANG	AB1-ESL CLASSES	N	2	105	106
45	ESCOLL	AB2-ESL IS PART OF COLLEGE PROGRAM	N	2	107	108
46	ESREASON	AB3-MAIN REASON FOR ESL CLASSES	N	2	109	110
47	ESWHEN	AB4-TIME SPENT IN ESL CLASSES	N	2	111	112
48	ESWHENUN	AB4-UNIT OF TIME IN ESL CLASSES	N	2	113	114
49	ESHRS	AB6-HRS ATTENDED ESL CLASSES	N	2	115	116
50	ESHRSUNT	AB6-UNIT OF TIME ATTENDED ESL	N	2	117	118
51	ESDAYS	AB7-DAYS/WK ATTENDED ESL CLASSES	N	2	119	120
52	ESPRTYP	AB8-TYPE OF INSTRUCTION PROVIDER	N	2	121	122
53	ESPROVEM	AB9-INSTRUCTION PROVIDER WAS EMPLOYER	N	2	123	124
54	ESEMPREQ	AB10A-EMPLOYER REQUIRED ESL CLASSES	N	2	125	126
55	ESEMPWP	AB10B-EMPLOYER GAVE TIME OFF W/WO PAY	N	2	127	128

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ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
56	ESEMPSPA	AB10C-EMPLOYER PROVIDED CLASSROOM SPACE	N	2	129	130
57	ESEMPPAY	AB10D-EMPLOYER PAID ALL/PART OF COSTS	N	2	131	132
58	ESCUREM	AB11-PROV OF SUPPORT CURRENT EMPLOYER	N	2	133	134
59	ESDIST	AB12-ESL THRU DISTANCE EDUCATION	N	2	135	136
60	ESINTV	AB13-ESL CLASS THRU DIST ED-TV/RADIO	N	2	137	138
61	ESINEMA	AB13-ESL CLASS THRU DIST ED-E-MAIL	N	2	139	140
62	ESINCOM	AB13-ESL CLASS THRU DIST ED-COM CONF	N	2	141	142
63	ESINWWW	AB13-ESL CLASS THRU DIST ED-INTERNET	N	2	143	144
64	ESINSAT	AB13-ESL CLASS THRU DIST ED-SATELLITE	N	2	145	146
65	ESINVID	AB13-ESL CLASS THRU DIST ED-VIDEO CONF	N	2	147	148
66	ESINOTH	AB13-ESL CLASS THRU DIST ED-OTHER	N	2	149	150
67	ESEVER	AB14-EVER TAKEN ESL CLASSES	N	2	151	152
68	BSIMPROV	AC1A-BASIC SKILLS CLASSES	N	2	153	154
69	BSGED	AC1B-GED PREPARATION CLASSES	N	2	155	156
70	BSHSEQUV	AC1C-OTHER HS EQUIVALENCY PROGRAM	N	2	157	158
71	BSATDAY	AC2-RECVED DIPLOMA THRU REG DAYTIME HS	N	2	159	160
72	BSFMLIT	AC3-ABE/GED PART OF FAMILY LITERACY PRM	N	2	161	162
73	BSREASON	AC4-MAIN REASON FOR ABE/GED CLASSES	N	2	163	164
74	BSWHEN	AC5-TIME SPENT IN ABE/GED CLASSES	N	2	165	166
75	BSWHENUN	AC5-UNIT OF TIME IN ABE/GED CLASSES	N	2	167	168
76	BSWKS	AC6-HOW MANY WEEKS IN ABE/GED CLASSES	N	2	169	170
77	BSHRS	AC7-HRS ATTENDED ABE/GED CLASSES	N	2	171	172
78	BSHRSUNT	AC7-UNIT FOR HOURS ATTENDED ABE/GED	N	2	173	174
79	BSDAYS	AC8-DAYS/WK ATTENDED ABE/GED CLASSES	N	2	175	176
80	BSPRTYP	AC9-TYPE OF INSTRUCTION PROVIDER	N	2	177	178
81	BSPROVEM	AC10-INSTRUCTION PROVIDER WAS EMPLOYER	N	2	179	180
82	BSEMPREQ	AC11A-EMPLOYER REQUIRED ABE/GED CLASSES	N	2	181	182
83	BSEMPWP	AC11B-EMPLOYER GAVE TIME OFF W/WO PAY	N	2	183	184
84	BSEMPSPA	AC11C-EMPLOYER PROVIDED CLASSROOM SPACE	N	2	185	186
85	BSEMPPAY	AC11D-EMPLOYER PAID ALL/PART OF COSTS	N	2	187	188
86	BSCUREM	AC12-PROV OF SUPPORT CURRENT EMPLOYER	N	2	189	190
87	BSDIST	AC13-ABE/GED THRU DISTANCE EDUCATION	N	2	191	192
88	BSINTV	AC14-ABE/GED THRU DIST ED-TV/RADIO	N	2	193	194
89	BSINEMA	AC14-ABE/GED THRU DIST ED-E-MAIL	N	2	195	196
90	BSINCOM	AC14-ABE/GED THRU DIST ED-COM CONF	N	2	197	198
91	BSINWWW	AC14-ABE/GED THRU DIST ED-INTERNET	N	2	199	200
92	BSINSAT	AC14-ABE/GED THRU DIST ED-SATELLITE	N	2	201	202
93	BSINVID	AC14-ABE/GED THRU DIST ED-VIDEO CONF	N	2	203	204
94	BSINOTH	AC14-ABE/GED THRU DIST ED-OTHER	N	2	205	206
95	BSEVER	AC15-EVER TAKEN ABE/GED CLASSES	N	2	207	208
96	CRDEGREE	AD1A-COLLEGE OR UNIVERSITY PROGRAM	N	2	209	210
97	CRVOCDIP	AD1B-VOC/TECH PROGRAM	N	2	211	212
98	CRTYVOC	AD2-TYPE OF PRGM-VOC/TECH DIPLOMA	N	2	213	214
99	CRTYASC	AD2-TYPE OF PRGM-ASSOCIATE'S DEGREE	N	2	215	216
100	CRTYBCH	AD2-TYPE OF PRGM-BACHELOR'S DEGREE	N	2	217	218
101	CRTYMAS	AD2-TYPE OF PRGM-MASTER'S DEGREE	N	2	219	220
102	CRTYDOC	AD2-TYPE OF PRGM-DOCTORATE	N	2	221	222
103	CRTYPRF	AD2-TYPE OF PRGM-PROFESSIONAL DEGREE	N	2	223	224
104	CRTYOTH	AD2-TYPE OF PRGM-ANOTHER DEGREE	N	2	225	226
105	HIGHCRED	HIGHEST CREDENTIAL PROGRAM AT AD2	N	2	227	228
106	CIPF	MAJOR FIELD OF STUDY CODE	N	2	229	230
107	CRREASON	AD4-MAIN REASON FOR CRED PROGRAM	N	2	231	232
108	CRPRTYP	AD5-TYPE OF INSTRUCTION PROVIDER	N	2	233	234
109	CRPBPR	AD6-PUBLIC OR PRIVATE COLLEGE/UNIV	N	2	235	236
110	CRPROVEM	AD7-INSTRUCTION PROVIDER WAS EMPLOYER	N	2	237	238
111	CREMPREQ	AD8A-EMPLOYER REQUIRED CRED PROGRAM	N	2	239	240

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
112	CREMPWP	AD8B-EMPLOYER GAVE TIME OFF W/WO PAY	N	2	241	242
113	CREMPSPA	AD8C-EMPLOYER PROVIDED CLASSROOM SPACE	N	2	243	244
114	CREMPPAY	AD8D-EMPLOYER PAID ALL/PART OF COSTS	N	2	245	246
115	CRCUREM	AD9-PROV OF SUPPORT CURRENT EMPLOYER	N	2	247	248
116	CRPTFT	AD10-PART-TIME OR FULL-TIME STUDENT	N	2	249	250
117	CRDIST	AD11-CRED PRGM THRU DISTANCE EDUCATION	N	2	251	252
118	CRINTV	AD12-CRED PRGM THRU DIST ED-TV/RADIO	N	2	253	254
119	CRINEMA	AD12-CRED PRGM THRU DIST ED-E-MAIL	N	2	255	256
120	CRINCOM	AD12-CRED PRGM THRU DIST ED-COMP/CON	N	2	257	258
121	CRINWWW	AD12-CRED PRGM THRU DIST ED-INTERNET	N	2	259	260
122	CRINSAT	AD12-CRED PRGM THRU DIST ED-SATELLITE	N	2	261	262
123	CRINVID	AD12-CRED PRGM THRU DIST ED-VIDEO CONF	N	2	263	264
124	CRINOTH	AD12-CRED PRGM THRU DIST ED-OTHER	N	2	265	266
125	APPRENTI	AE1-APPRENTICESHIP PROGRAM	N	2	267	268
126	APSTILL	AE2-STILL IN APPRENTICESHIP PROGRAM	N	2	269	270
127	APEMPLOY	AE4A-EMPLOYER SPONSORED APPR	N	2	271	272
128	APUNION	AE4B-LABOR UNION SPONSORED APPR	N	2	273	274
129	APSTAGOV	AE4C-LOCAL OR STATE GOV SPONSORED APPR	N	2	275	276
130	APFEDGOV	AE4D-FED GOV SPONSORED APPR	N	2	277	278
131	APOTHER	AE4E-SOMEONE ELSE SPONSORED APPR	N	2	279	280
132	WRACTY	AF1-CAREER OR JOB RELATED COURSES	N	2	281	282
133	WRCSREA	AF3-MAIN REASON FOR WORK-REL COURSE	N	2	283	284
134	WRSAME	AF4-SAME MAIN REASON FOR OTH COURSES	N	2	285	286
135	WRRSCUR	AF5-TO IMPROVE/ADVANCE JOB	N	2	287	288
136	WRRSNEW	AF5-TO TRAIN FOR NEW JOB	N	2	289	290
137	WRRSBAS	AF5-TO IMPROVE BASIC SKILLS	N	2	291	292
138	WRRSREQ	AF5-TO MEET REQUIREMENT FOR DEGREE	N	2	293	294
139	WRRSPER	AF5-FOR PERSONAL/FAMILY REASON	N	2	295	296
140	WRRSOTH	AF5-FOR SOME OTHER REASON	N	2	297	298
141	WRTOTHR	AF6-TOTAL HRS IN WORK RELATED COURSES	N	2	299	300
142	WRSCSCH	AF7-PROVIDER-ELEM/JR/HIGH SCHOOL	N	2	301	302
143	WRSC2YR	AF7-PROVIDER-JUNIOR COLLEGE	N	2	303	304
144	WRSCVOC	AF7-PROVIDER-VOC/TECH SCHOOL	N	2	305	306
145	WRPR4YR	AF7-PROVIDER-4 YR COLLEGE/UNIVERSITY	N	2	307	308
146	WRPRPRI	AF7-PROVIDER-PRIV TRADE/BUSINESS SCHOOL	N	2	309	310
147	WRSCALC	AF7-PROVIDER-ADULT LEARNING CENTER	N	2	311	312
148	WRPRBUS	AF7-PROVIDER-BUSINESS/INDUSTRY	N	2	313	314
149	WRPRPRO	AF7-PROVIDER-PROFESSIONAL ORGANIZATION	N	2	315	316
150	WRPRGOV	AF7-PROVIDER-FEDERAL/STATE/LOCAL GOVT	N	2	317	318
151	WRSCLIB	AF7-PROVIDER-PUBLIC LIBRARY	N	2	319	320
152	WRSCORG	AF7-PROVIDER-PRIVATE COMM ORGANIZATION	N	2	321	322
153	WRSCCHU	AF7-PROVIDER-CHURCH/RELIGIOUS ORG	N	2	323	324
154	WRSCTUT	AF7-PROVIDER-TUTOR/PRIVATE INSTRUCTOR	N	2	325	326
155	WRSCOTH	AF7-PROVIDER-OTHER SCHOOL OR ORG	N	2	327	328
156	WRPROVEM	AF8-INSTRUCTIONAL PROVIDER WAS EMPLOYER	N	2	329	330
157	WREMPREQ	AF9A-EMPLOYER REQUIRED WORK-REL COURSES	N	2	331	332
158	WREMPWP	AF9B-EMPLOYER GAVE TIME OFF W/WO PAY	N	2	333	334
159	WREMPSPA	AF9C-EMPLOYER PROVIDED CLASSROOM SPACE	N	2	335	336
160	WREMPPAY	AF9D-EMPLOYER PAID ALL/PART OF COSTS	N	2	337	338
161	WRCUREM	AF10-PROV OF SUPPORT CURRENT EMPLOYER	N	2	339	340
162	WRDIST	AF11-WK REL CRS THRU DISTANCE EDUCATION	N	2	341	342
163	WRINTV	AF12-WK REL CRS THRU DIST ED-TV/RADIO	N	2	343	344
164	WRINEMA	AF12-WK REL CRS THRU DIST ED-E-MAIL	N	2	345	346
165	WRINCOM	AF12-WK REL CRS THRU DIST ED-COM CONF	N	2	347	348
166	WRINWWW	AF12-WK REL CRS THRU DIST ED-INTERNET	N	2	349	350

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
167	WRINSAT	AF12-WK REL CRS THRU DIST ED-SATELLITE	N	2	351	352
168	WRINVID	AF12-WK REL CRS THRU DIST ED-VIDEO CONF	N	2	353	354
169	WRINOTH	AF12-WK REL CRS THRU DIST ED-OTHER	N	2	355	356
170	SAACTY	AG1-OTHER STRUCTURED COURSES	N	2	357	358
171	SARSPER	AG2-FOR PERSONAL/FAMILY REASON	N	2	359	360
172	SARSREQ	AG2-TO MEET REQUIREMENT FOR DEGREE	N	2	361	362
173	SARSCUR	AG2-TO IMPROVE/ADVANCE JOB	N	2	363	364
174	SARSNEW	AG2-TO TRAIN FOR NEW JOB	N	2	365	366
175	SARSBAS	AG2-TO IMPROVE BASIC SKILLS	N	2	367	368
176	SARSOTH	AG2-FOR SOME OTHER REASON	N	2	369	370
177	SASCSCH	AG3-PROVIDER-ELEMENTARY/JR/HIGH SCHOOL	N	2	371	372
178	SASC2YR	AG3-PROVIDER-JUNIOR COLLEGE	N	2	373	374
179	SASCVOC	AG3-PROVIDER-VOC/TECH SCHOOL	N	2	375	376
180	SAPR4YR	AG3-PROVIDER-4 YR COLLEGE/UNIVERSITY	N	2	377	378
181	SAPRPRI	AG3-PROVIDER-PRIV TRADE/BUSINESS SCHOOL	N	2	379	380
182	SASCALC	AG3-PROVIDER-ADULT LEARNING CENTER	N	2	381	382
183	SAPRBUS	AG3-PROVIDER-BUSINESS/INDUSTRY	N	2	383	384
184	SARPRPRO	AG3-PROVIDER-PROFESSIONAL ASSOCIATION	N	2	385	386
185	SAPRGOV	AG3-PROVIDER-FEDERAL/STATE/LOCAL GOVT	N	2	387	388
186	SASCLIB	AG3-PROVIDER-PUBLIC LIBRARY	N	2	389	390
187	SASCORG	AG3-PROVIDER-PRIVATE COMMUNITY ORG	N	2	391	392
188	SASCCHU	AG3-PROVIDER-CHURCH/RELIGIOUS ORG	N	2	393	394
189	SASCTUT	AG3-PROVIDER-TUTOR/PRIVATE INSTRUCTOR	N	2	395	396
190	SASCOTH	AG3-PROVIDER-OTHER SCHOOL/ORG	N	2	397	398
191	SADIST	AG4-PERS CRSE THRU DISTANCE EDUCATION	N	2	399	400
192	SAINTV	AG5-PERS CRSE THRU DIST ED-TV/RADIO	N	2	401	402
193	SAINEMA	AG5-PERS CRSE THRU DIST ED-E-MAIL	N	2	403	404
194	SAINCOM	AG5-PERS CRSE THRU DIST ED-COM CONF	N	2	405	406
195	SAINWWW	AG5-PERS CRSE THRU DIST ED-INTERNET	N	2	407	408
196	SAINSAT	AG5-PERS CRSE THRU DIST ED-SATELLITE	N	2	409	410
197	SAINVID	AG5-PERS CRSE THRU DIST ED-VIDEO CONF	N	2	411	412
198	SAINOTH	AG5-PERS CRSE THRU DIST ED-OTHER	N	2	413	414
199	GIOTH	AH1-TAKEN ANY OTH CLASSES NOT MENTIONED	N	2	415	416
200	GIOTESL	AH2A-ESL CLASSES	N	2	417	418
201	GIOTGED	AH2B-ABE/GED CLASSES	N	2	419	420
202	GIOTCRD	AH2C-CREDENTIAL PROGRAMS	N	2	421	422
203	GIOTAPR	AH2D-APPRENTICESHIP PROGRAMS	N	2	423	424
204	GIOTWRL	AH2E-CAREER OR JOB RELATED COURSES	N	2	425	426
205	GIOTPRS	AH2F-OTHER STRUCTURED COURSES	N	2	427	428
206	GILIFE	AH3-HEARD OF LIFETIM LEARNING TAX CRDT	N	2	429	430
207	GIHOPE	AH3-HEARD OF HOPE SCHOLARSHIP TAX CRDT	N	2	431	432
208	GILIFUS	AH4-USE LIFETIME LEARNING TAX CREDIT	N	2	433	434
209	GIHOPUS	AH5-USE HOPE SCHOLARSHIP TAX CREDIT	N	2	435	436
210	CARDPAPR	AI1-HOW OFTEN READ NEWSPAPER	N	2	437	438
211	CARDMAGS	AI2-NUMBER OF MAGAZINES	N	2	439	440
212	CARDBOOK	AI3-READ ANY BOOKS IN PAST 6 MONTHS	N	2	441	442
213	LIBMO	AI4-USED PUBLIC LIBRARY IN PAST MONTH	N	2	443	444
214	LIBYR	AI5-USED PUBLIC LIBRARY IN PAST YEAR	N	2	445	446
215	CASERVC	AI6-PARTICIPATE IN COMMUNITY SERVICE	N	2	447	448
216	ADISCIP	AI7A-STRICT DISCIPLINE WLD IMPROV EDU	N	2	449	450
217	ASTANDS	AI7B-PROMOTION STANDARD WLD IMPROV EDU	N	2	451	452
218	AEVAL	AI7C-TEACHR EVALUATIONS WLD IMPROV EDU	N	2	453	454
219	ASCHLYR	AI7D-LONGER SCHOOL YR WLD IMPROV EDU	N	2	455	456
220	ADOBMM	AJ1-MONTH OF BIRTH	N	2	457	458
221	ADOBYY	AJ1-YEAR OF BIRTH	N	4	459	462
222	ARACE	AJ2-RACE	N	2	463	464

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ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
223	AOTHRACE	AJ3-SOME OTHER RACE	N	2	465	466
224	AHISPANI	AJ4-HISPANIC ORIGIN	N	2	467	468
225	AMARSTAT	AJ5-CURRENT MARITAL STATUS	N	2	469	470
226	ABORNUS	AJ6-COUNTRY OF ORIGIN	N	2	471	472
227	AMOVEAGE	AJ6OV-AGE WHEN MOVED TO U.S.	N	2	473	474
228	ASTUENG	AJ6OV2-STUDY ENGLISH BEFORE CAME TO US	N	2	475	476
229	JOBLOOK	AJ7-LOOKING FOR WORK IN PAST 4 WKS	N	2	477	478
230	JOBPUBL	AJ8-CHECKED WITH PUBLIC EMPLMENT AGENCY	N	2	479	480
231	JOBPRIV	AJ8-CHECKED WITH PRIV EMPLOYMENT AGENCY	N	2	481	482
232	JOBEMPL	AJ8-CHECKED WITH EMPLOYER DIRECTLY	N	2	483	484
233	JOBREL	AJ8-CHECKED WITH FRIENDS OR RELATIVES	N	2	485	486
234	JOBANSAD	AJ8-PLACE OR ANSWERED ADS/SENT RESUME	N	2	487	488
235	JOBREAD	AJ8-READ WANT ADS	N	2	489	490
236	JOBOTHER	AJ8-SOMETHING ELSE TO FIND WORK	N	2	491	492
237	JOBACTY	AJ9-MAIN ACT DONE MOST OF LAST WEEK	N	2	493	494
238	JOBTAKE	AJ10-COULD HAVE TAKEN JOB LAST WEEK	N	2	495	496
239	JOBEVER	AJ11-EVER WORKED AT A JOB FOR PAY	N	2	497	498
240	IBWORKMO	AJ12-MONTHS WORKED FOR PAY IN PAST YEAR	N	2	499	500
241	JOBMORE	AJ13-MORE THAN ONE JOB LAST WEEK	N	2	501	502
242	PAYHRS	AJ14-HOURS PER WEEK WORKED FOR PAY	N	2	503	504
243	EARNAMT	AJ15-EARNINGS	N	9.2	505	513
244	EARNUNT	AJ15-UNIT OF EARNINGS	N	2	514	515
245	FSIC	INDUSTRY CODE	N	2	516	517
246	FSOC	OCCUAPTION CODE	N	2	518	519
247	CONTREQ	AJ18-REQUIRED CONTINUING EDUCATION	N	2	520	521
248	HOWNHOME	AK1-OWN, RENT HOME/OTHR ARRANGMNT	N	2	522	523
249	HOTHNUM	AK2-OTHER TELEPHONE NUMBER IN HH	N	2	524	525
250	HNUMUSE	AK3-HOW MANY OTH PHN NUM FOR HM USE	N	2	526	527
251	HWIC	AK5A-FAMILY RECD WIC PAST 12 MO	N	2	528	529
252	HFOODST	AK5B-FAMILY RECD FOOD STMPS PAST 12 MO	N	2	530	531
253	HAFDC	AK5C-FAMILY RECD TANF/AFDC PAST 12 MO	N	2	532	533
254	HINCMRNG	AK6-TOTAL HOUSEHOLD INCOME RANGE	N	2	534	535
255	HINCOME	AK6-TOTAL HOUSEHOLD INCOME	N	2	536	537
256	HINCMEXT	AK6OV-EXACT HH INC NEAREST $1000	N	5	538	542
257	AELABOR	D-LABOR FORCE STATUS	N	2	543	544
258	AELABOR2	D-LABOR FORCE STATUS-2	N	2	545	546
259	AEPARANY	D-PARTICIPATION-ALL TYPES OF AE	N	2	547	548
260	AEPARTIC	D-PARTICIPATION-EXC FULL-TIME CRED	N	2	549	550
261	ANYSUPP	D-EMPLOYER SUPPORT-ANY ADULT EDUCATION	N	2	551	552
262	BSPARTIC	D-PARTICIPATION - ABE/GED OR ESL CLASSES	N	2	553	554
263	BSSUPP	D-EMPLOYER SUPPORTED ABE/GED CLASSES	N	2	555	556
264	BSTIMED	D-HOURS PER WEEK IN ABE/GED CLASSES	N	2	557	558
265	BSWEEK	D-WEEKS IN ABE/GED CLASSES	N	2	559	560
266	CENREG	D-CENSUS REGION	N	2	561	562
267	CRDIPART	D-PARTICIPATION-CREDENTIAL PROGRAMS	N	2	563	564
268	CRSUPP	D-EMPLOYER SUPPORT-CRED PRGM	N	2	565	566
269	DISTEDUC	D-PARTICIPATION IN DISTANCE EDUCATION	N	2	567	568
270	EDUCLEVL	D-EDUCATIONAL ATTAINMENT	N	2	569	570
271	ESSUPP	D-EMPLOYER SUPPORT-ESL CLASSES	N	2	571	572
272	ESTIMED	D-HOURS PER WEEK IN ESL CLASSES	N	2	573	574
273	ESWEEK	D-WEEKS IN ESL CLASSES	N	2	575	576
274	HH18OVER	D-NUMBER OF HH MEMBERS 18 AND OLDER	N	2	577	578
275	HHTOTAL	D-TOTAL NUMBER OF HOUSEHOLD MEMBERS	N	2	579	580
276	HHUNDR18	D-NUMBER OF HH MEMBERS YOUNGER THAN 18	N	2	581	582
277	HIGHEDUC	D-HIGHEST DEGREE OR CREDENTIAL OBTAINED	N	2	583	584

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
278	RACEETH2	D-RACE/ETHNICITY-2	N	2	585	586
279	RACEETHN	D-RACE/ETHNICITY	N	2	587	588
280	WRNEW	D-TOTAL NUMBER OF WRK-REL CRS AT AF2	N	2	589	590
281	WRSUPP	D-EMPLOYER SUPPORT-WORK-REL COURSES	N	2	591	592
282	ZIP18PO2	D-PERCENT UNDER 18 BELOW POVERTY LINE	N	2	593	594
283	ZIPBLHI2	D-PERCENT BLACK OR HISPANIC	N	2	595	596
284	ZIPURBAN	D-LIVE IN INSIDE, OUTSIDE URBANIZED AREA	N	2	597	598
285	FAWT	FINAL ADULT INTV WEIGHT	N	10.3	599	608
286	FAWT1	FINAL ADULT INTV WEIGHT, REPL 1	N	10.3	609	618
287	FAWT2	FINAL ADULT INTV WEIGHT, REPL 2	N	10.3	619	628
288	FAWT3	FINAL ADULT INTV WEIGHT, REPL 3	N	10.3	629	638
289	FAWT4	FINAL ADULT INTV WEIGHT, REPL 4	N	10.3	639	648
290	FAWT5	FINAL ADULT INTV WEIGHT, REPL 5	N	10.3	649	658
291	FAWT6	FINAL ADULT INTV WEIGHT, REPL 6	N	10.3	659	668
292	FAWT7	FINAL ADULT INTV WEIGHT, REPL 7	N	10.3	669	678
293	FAWT8	FINAL ADULT INTV WEIGHT, REPL 8	N	10.3	679	688
294	FAWT9	FINAL ADULT INTV WEIGHT, REPL 9	N	10.3	689	698
295	FAWT10	FINAL ADULT INTV WEIGHT, REPL 10	N	10.3	699	708
296	FAWT11	FINAL ADULT INTV WEIGHT, REPL 11	N	10.3	709	718
297	FAWT12	FINAL ADULT INTV WEIGHT, REPL 12	N	10.3	719	728
298	FAWT13	FINAL ADULT INTV WEIGHT, REPL 13	N	10.3	729	738
299	FAWT14	FINAL ADULT INTV WEIGHT, REPL 14	N	10.3	739	748
300	FAWT15	FINAL ADULT INTV WEIGHT, REPL 15	N	10.3	749	758
301	FAWT16	FINAL ADULT INTV WEIGHT, REPL 16	N	10.3	759	768
302	FAWT17	FINAL ADULT INTV WEIGHT, REPL 17	N	10.3	769	778
303	FAWT18	FINAL ADULT INTV WEIGHT, REPL 18	N	10.3	779	788
304	FAWT19	FINAL ADULT INTV WEIGHT, REPL 19	N	10.3	789	798
305	FAWT20	FINAL ADULT INTV WEIGHT, REPL 20	N	10.3	799	808
306	FAWT21	FINAL ADULT INTV WEIGHT, REPL 21	N	10.3	809	818
307	FAWT22	FINAL ADULT INTV WEIGHT, REPL 22	N	10.3	819	828
308	FAWT23	FINAL ADULT INTV WEIGHT, REPL 23	N	10.3	829	838
309	FAWT24	FINAL ADULT INTV WEIGHT, REPL 24	N	10.3	839	848
310	FAWT25	FINAL ADULT INTV WEIGHT, REPL 25	N	10.3	849	858
311	FAWT26	FINAL ADULT INTV WEIGHT, REPL 26	N	10.3	859	868
312	FAWT27	FINAL ADULT INTV WEIGHT, REPL 27	N	10.3	869	878
313	FAWT28	FINAL ADULT INTV WEIGHT, REPL 28	N	10.3	879	888
314	FAWT29	FINAL ADULT INTV WEIGHT, REPL 29	N	10.3	889	898
315	FAWT30	FINAL ADULT INTV WEIGHT, REPL 30	N	10.3	899	908
316	FAWT31	FINAL ADULT INTV WEIGHT, REPL 31	N	10.3	909	918
317	FAWT32	FINAL ADULT INTV WEIGHT, REPL 32	N	10.3	919	928
318	FAWT33	FINAL ADULT INTV WEIGHT, REPL 33	N	10.3	929	938
319	FAWT34	FINAL ADULT INTV WEIGHT, REPL 34	N	10.3	939	948
320	FAWT35	FINAL ADULT INTV WEIGHT, REPL 35	N	10.3	949	958
321	FAWT36	FINAL ADULT INTV WEIGHT, REPL 36	N	10.3	959	968
322	FAWT37	FINAL ADULT INTV WEIGHT, REPL 37	N	10.3	969	978
323	FAWT38	FINAL ADULT INTV WEIGHT, REPL 38	N	10.3	979	988
324	FAWT39	FINAL ADULT INTV WEIGHT, REPL 39	N	10.3	989	998
325	FAWT40	FINAL ADULT INTV WEIGHT, REPL 40	N	10.3	999	1008
326	FAWT41	FINAL ADULT INTV WEIGHT, REPL 41	N	10.3	1009	1018
327	FAWT42	FINAL ADULT INTV WEIGHT, REPL 42	N	10.3	1019	1028
328	FAWT43	FINAL ADULT INTV WEIGHT, REPL 43	N	10.3	1029	1038
329	FAWT44	FINAL ADULT INTV WEIGHT, REPL 44	N	10.3	1039	1048
330	FAWT45	FINAL ADULT INTV WEIGHT, REPL 45	N	10.3	1049	1058
331	FAWT46	FINAL ADULT INTV WEIGHT, REPL 46	N	10.3	1059	1068
332	FAWT47	FINAL ADULT INTV WEIGHT, REPL 47	N	10.3	1069	1078
333	FAWT48	FINAL ADULT INTV WEIGHT, REPL 48	N	10.3	1079	1088

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
334	FAWT49	FINAL ADULT INTV WEIGHT, REPL 49	N	10.3	1089	1098
335	FAWT50	FINAL ADULT INTV WEIGHT, REPL 50	N	10.3	1099	1108
336	FAWT51	FINAL ADULT INTV WEIGHT, REPL 51	N	10.3	1109	1118
337	FAWT52	FINAL ADULT INTV WEIGHT, REPL 52	N	10.3	1119	1128
338	FAWT53	FINAL ADULT INTV WEIGHT, REPL 53	N	10.3	1129	1138
339	FAWT54	FINAL ADULT INTV WEIGHT, REPL 54	N	10.3	1139	1148
340	FAWT55	FINAL ADULT INTV WEIGHT, REPL 55	N	10.3	1149	1158
341	FAWT56	FINAL ADULT INTV WEIGHT, REPL 56	N	10.3	1159	1168
342	FAWT57	FINAL ADULT INTV WEIGHT, REPL 57	N	10.3	1169	1178
343	FAWT58	FINAL ADULT INTV WEIGHT, REPL 58	N	10.3	1179	1188
344	FAWT59	FINAL ADULT INTV WEIGHT, REPL 59	N	10.3	1189	1198
345	FAWT60	FINAL ADULT INTV WEIGHT, REPL 60	N	10.3	1199	1208
346	FAWT61	FINAL ADULT INTV WEIGHT, REPL 61	N	10.3	1209	1218
347	FAWT62	FINAL ADULT INTV WEIGHT, REPL 62	N	10.3	1219	1228
348	FAWT63	FINAL ADULT INTV WEIGHT, REPL 63	N	10.3	1229	1238
349	FAWT64	FINAL ADULT INTV WEIGHT, REPL 64	N	10.3	1239	1248
350	FAWT65	FINAL ADULT INTV WEIGHT, REPL 65	N	10.3	1249	1258
351	FAWT66	FINAL ADULT INTV WEIGHT, REPL 66	N	10.3	1259	1268
352	FAWT67	FINAL ADULT INTV WEIGHT, REPL 67	N	10.3	1269	1278
353	FAWT68	FINAL ADULT INTV WEIGHT, REPL 68	N	10.3	1279	1288
354	FAWT69	FINAL ADULT INTV WEIGHT, REPL 69	N	10.3	1289	1298
355	FAWT70	FINAL ADULT INTV WEIGHT, REPL 70	N	10.3	1299	1308
356	FAWT71	FINAL ADULT INTV WEIGHT, REPL 71	N	10.3	1309	1318
357	FAWT72	FINAL ADULT INTV WEIGHT, REPL 72	N	10.3	1319	1328
358	FAWT73	FINAL ADULT INTV WEIGHT, REPL 73	N	10.3	1329	1338
359	FAWT74	FINAL ADULT INTV WEIGHT, REPL 74	N	10.3	1339	1348
360	FAWT75	FINAL ADULT INTV WEIGHT, REPL 75	N	10.3	1349	1358
361	FAWT76	FINAL ADULT INTV WEIGHT, REPL 76	N	10.3	1359	1368
362	FAWT77	FINAL ADULT INTV WEIGHT, REPL 77	N	10.3	1369	1378
363	FAWT78	FINAL ADULT INTV WEIGHT, REPL 78	N	10.3	1379	1388
364	FAWT79	FINAL ADULT INTV WEIGHT, REPL 79	N	10.3	1389	1398
365	FAWT80	FINAL ADULT INTV WEIGHT, REPL 80	N	10.3	1399	1408
366	APSU	PSU FOR TAYLOR SERIES VAR ESTIMATION	N	4	1409	1412
367	ASTRATUM	STRATUM FOR TAYLOR SERIES VAR ESTIMATION	N	2	1413	1414
368	AGF1	IMPUTATION FLAG	N	2	1415	1416
369	SEF1	IMPUTATION FLAG	N	2	1417	1418
370	AGF2	IMPUTATION FLAG	N	2	1419	1420
371	SEF2	IMPUTATION FLAG	N	2	1421	1422
372	AGF3	IMPUTATION FLAG	N	2	1423	1424
373	AGF4	IMPUTATION FLAG	N	2	1425	1426
374	AGF5	IMPUTATION FLAG	N	2	1427	1428
375	AGF6	IMPUTATION FLAG	N	2	1429	1430
376	IBGRADF	IMPUTATION FLAG	N	2	1431	1432
377	IBGRAF1	IMPUTATION FLAG	N	2	1433	1434
378	IBGRAF2	IMPUTATION FLAG	N	2	1435	1436
379	IBVOCDIF	IMPUTATION FLAG	N	2	1437	1438
380	IBDIPF	IMPUTATION FLAG	N	2	1439	1440
381	IBUSDIPF	IMPUTATION FLAG	N	2	1441	1442
382	IBDIPLYF	IMPUTATION FLAG	N	2	1443	1444
383	IBGEF	IMPUTATION FLAG	N	2	1445	1446
384	IBWORF	IMPUTATION FLAG	N	2	1447	1448
385	IBLEAVF	IMPUTATION FLAG	N	2	1449	1450
386	IBWORF12	IMPUTATION FLAG	N	2	1451	1452
387	IBLANF	IMPUTATION FLAG	N	2	1453	1454
388	IBSPEAF	IMPUTATION FLAG	N	2	1455	1456

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
389	READENGF	IMPUTATION FLAG	N	2	1457	1458
390	WRITENGF	IMPUTATION FLAG	N	2	1459	1460
391	ESLANF	IMPUTATION FLAG	N	2	1461	1462
392	ESCOLF	IMPUTATION FLAG	N	2	1463	1464
393	ESWHEF	IMPUTATION FLAG	N	2	1465	1466
394	ESWHENUF	IMPUTATION FLAG	N	2	1467	1468
395	ESHRF	IMPUTATION FLAG	N	2	1469	1470
396	ESHRSUNF	IMPUTATION FLAG	N	2	1471	1472
397	ESDAYF	IMPUTATION FLAG	N	2	1473	1474
398	ESPRTYF	IMPUTATION FLAG	N	2	1475	1476
399	ESEVEF	IMPUTATION FLAG	N	2	1477	1478
400	BSGEF	IMPUTATION FLAG	N	2	1479	1480
401	BSHSEQUF	IMPUTATION FLAG	N	2	1481	1482
402	BSATDAF	IMPUTATION FLAG	N	2	1483	1484
403	BSFMLIF	IMPUTATION FLAG	N	2	1485	1486
404	BSREASOF	IMPUTATION FLAG	N	2	1487	1488
405	BSWHEF	IMPUTATION FLAG	N	2	1489	1490
406	BSWHENUF	IMPUTATION FLAG	N	2	1491	1492
407	BSWKF	IMPUTATION FLAG	N	2	1493	1494
408	BSHRF	IMPUTATION FLAG	N	2	1495	1496
409	BSHRSUNF	IMPUTATION FLAG	N	2	1497	1498
410	BSDAYF	IMPUTATION FLAG	N	2	1499	1500
411	BSPRTYF	IMPUTATION FLAG	N	2	1501	1502
412	BSPROVEF	IMPUTATION FLAG	N	2	1503	1504
413	BSEMPREF	IMPUTATION FLAG	N	2	1505	1506
414	BSEMPWF	IMPUTATION FLAG	N	2	1507	1508
415	BSEMPSPF	IMPUTATION FLAG	N	2	1509	1510
416	BSEMPPAF	IMPUTATION FLAG	N	2	1511	1512
417	BSDISF	IMPUTATION FLAG	N	2	1513	1514
418	BSEVEF	IMPUTATION FLAG	N	2	1515	1516
419	CRDEGREF	IMPUTATION FLAG	N	2	1517	1518
420	CRVOCDIF	IMPUTATION FLAG	N	2	1519	1520
421	CRTYVOF	IMPUTATION FLAG	N	2	1521	1522
422	CRTYASF	IMPUTATION FLAG	N	2	1523	1524
423	CRTYBCF	IMPUTATION FLAG	N	2	1525	1526
424	CRTYMAF	IMPUTATION FLAG	N	2	1527	1528
425	CRTYDOF	IMPUTATION FLAG	N	2	1529	1530
426	CRTYPRFF	IMPUTATION FLAG	N	2	1531	1532
427	CRTYOTF	IMPUTATION FLAG	N	2	1533	1534
428	CIFF	IMPUTATION FLAG	N	2	1535	1536
429	CRREASOF	IMPUTATION FLAG	N	2	1537	1538
430	CRPRTYF	IMPUTATION FLAG	N	2	1539	1540
431	CRPBPF	IMPUTATION FLAG	N	2	1541	1542
432	CRPROVEF	IMPUTATION FLAG	N	2	1543	1544
433	CREMPREF	IMPUTATION FLAG	N	2	1545	1546
434	CREMPWF	IMPUTATION FLAG	N	2	1547	1548
435	CREMPSPF	IMPUTATION FLAG	N	2	1549	1550
436	CREMPPAF	IMPUTATION FLAG	N	2	1551	1552
437	CRCUREF	IMPUTATION FLAG	N	2	1553	1554
438	CRPTFF	IMPUTATION FLAG	N	2	1555	1556
439	CRDISF	IMPUTATION FLAG	N	2	1557	1558
440	CRINTF	IMPUTATION FLAG	N	2	1559	1560
441	CRINEMF	IMPUTATION FLAG	N	2	1561	1562
442	CRINCOF	IMPUTATION FLAG	N	2	1563	1564
443	CRINWWF	IMPUTATION FLAG	N	2	1565	1566
444	CRINSAF	IMPUTATION FLAG	N	2	1567	1568

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
445	CRINVIF	IMPUTATION FLAG	N	2	1569	1570
446	CRINOTF	IMPUTATION FLAG	N	2	1571	1572
447	APPRENTF	IMPUTATION FLAG	N	2	1573	1574
448	APEMPLOF	IMPUTATION FLAG	N	2	1575	1576
449	APUNIOF	IMPUTATION FLAG	N	2	1577	1578
450	APSTAGOF	IMPUTATION FLAG	N	2	1579	1580
451	APFEDGOF	IMPUTATION FLAG	N	2	1581	1582
452	APOTHEF	IMPUTATION FLAG	N	2	1583	1584
453	WRACTF	IMPUTATION FLAG	N	2	1585	1586
454	WRNEF	IMPUTATION FLAG	N	2	1587	1588
455	WRCSREF	IMPUTATION FLAG	N	2	1589	1590
456	WRSAMF	IMPUTATION FLAG	N	2	1591	1592
457	WRRSCUF	IMPUTATION FLAG	N	2	1593	1594
458	WRRSNEF	IMPUTATION FLAG	N	2	1595	1596
459	WRRSBAF	IMPUTATION FLAG	N	2	1597	1598
460	WRRSREF	IMPUTATION FLAG	N	2	1599	1600
461	WRRSPEF	IMPUTATION FLAG	N	2	1601	1602
462	WRRSOTF	IMPUTATION FLAG	N	2	1603	1604
463	WRTOTHF	IMPUTATION FLAG	N	2	1605	1606
464	WRSCSCF	IMPUTATION FLAG	N	2	1607	1608
465	WRSC2YF	IMPUTATION FLAG	N	2	1609	1610
466	WRSCVOF	IMPUTATION FLAG	N	2	1611	1612
467	WRPR4YF	IMPUTATION FLAG	N	2	1613	1614
468	WRPRPRIF	IMPUTATION FLAG	N	2	1615	1616
469	WRSCALF	IMPUTATION FLAG	N	2	1617	1618
470	WRPRBUF	IMPUTATION FLAG	N	2	1619	1620
471	WRPRPROF	IMPUTATION FLAG	N	2	1621	1622
472	WRPRGOF	IMPUTATION FLAG	N	2	1623	1624
473	WRSCLIF	IMPUTATION FLAG	N	2	1625	1626
474	WRSCORF	IMPUTATION FLAG	N	2	1627	1628
475	WRSCCHF	IMPUTATION FLAG	N	2	1629	1630
476	WRSCTUF	IMPUTATION FLAG	N	2	1631	1632
477	WRSCOTF	IMPUTATION FLAG	N	2	1633	1634
478	WRPROVEF	IMPUTATION FLAG	N	2	1635	1636
479	WREMPREF	IMPUTATION FLAG	N	2	1637	1638
480	WREMPWF	IMPUTATION FLAG	N	2	1639	1640
481	WREMPSPF	IMPUTATION FLAG	N	2	1641	1642
482	WREMPPAF	IMPUTATION FLAG	N	2	1643	1644
483	WRCUREF	IMPUTATION FLAG	N	2	1645	1646
484	WRDISF	IMPUTATION FLAG	N	2	1647	1648
485	WRINTF	IMPUTATION FLAG	N	2	1649	1650
486	WRINEMF	IMPUTATION FLAG	N	2	1651	1652
487	WRINCOF	IMPUTATION FLAG	N	2	1653	1654
488	WRINWWF	IMPUTATION FLAG	N	2	1655	1656
489	WRINSAF	IMPUTATION FLAG	N	2	1657	1658
490	WRINVIF	IMPUTATION FLAG	N	2	1659	1660
491	WRINOTF	IMPUTATION FLAG	N	2	1661	1662
492	SAACTF	IMPUTATION FLAG	N	2	1663	1664
493	SARSPEF	IMPUTATION FLAG	N	2	1665	1666
494	SARSREF	IMPUTATION FLAG	N	2	1667	1668
495	SARSCUF	IMPUTATION FLAG	N	2	1669	1670
496	SARSNEF	IMPUTATION FLAG	N	2	1671	1672
497	SARSBAF	IMPUTATION FLAG	N	2	1673	1674
498	SARSOTF	IMPUTATION FLAG	N	2	1675	1676
499	SASCSCF	IMPUTATION FLAG	N	2	1677	1678

ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
500	SASC2YF	IMPUTATION FLAG	N	2	1679	1680
501	SASCVOF	IMPUTATION FLAG	N	2	1681	1682
502	SAPR4YF	IMPUTATION FLAG	N	2	1683	1684
503	SAPRPRF	IMPUTATION FLAG	N	2	1685	1686
504	SASCALF	IMPUTATION FLAG	N	2	1687	1688
505	SAPRBUF	IMPUTATION FLAG	N	2	1689	1690
506	SARPRPRF	IMPUTATION FLAG	N	2	1691	1692
507	SAPRGOF	IMPUTATION FLAG	N	2	1693	1694
508	SASCLIF	IMPUTATION FLAG	N	2	1695	1696
509	SASCORF	IMPUTATION FLAG	N	2	1697	1698
510	SASCCHF	IMPUTATION FLAG	N	2	1699	1700
511	SASCTUF	IMPUTATION FLAG	N	2	1701	1702
512	SASCOTF	IMPUTATION FLAG	N	2	1703	1704
513	SADISF	IMPUTATION FLAG	N	2	1705	1706
514	GIOTF	IMPUTATION FLAG	N	2	1707	1708
515	GIOTESF	IMPUTATION FLAG	N	2	1709	1710
516	GIOTGEF	IMPUTATION FLAG	N	2	1711	1712
517	GIOTCRF	IMPUTATION FLAG	N	2	1713	1714
518	GIOTAPF	IMPUTATION FLAG	N	2	1715	1716
519	GIOTWRF	IMPUTATION FLAG	N	2	1717	1718
520	GIOTPRF	IMPUTATION FLAG	N	2	1719	1720
521	GILIFF	IMPUTATION FLAG	N	2	1721	1722
522	GIHOPF	IMPUTATION FLAG	N	2	1723	1724
523	GILIFUF	IMPUTATION FLAG	N	2	1725	1726
524	GIHOPUF	IMPUTATION FLAG	N	2	1727	1728
525	CARDPAPF	IMPUTATION FLAG	N	2	1729	1730
526	CARDMAGF	IMPUTATION FLAG	N	2	1731	1732
527	CARDBOOF	IMPUTATION FLAG	N	2	1733	1734
528	LIBMF	IMPUTATION FLAG	N	2	1735	1736
529	LIBYF	IMPUTATION FLAG	N	2	1737	1738
530	CASERVF	IMPUTATION FLAG	N	2	1739	1740
531	ADISCIF	IMPUTATION FLAG	N	2	1741	1742
532	ASTANDF	IMPUTATION FLAG	N	2	1743	1744
533	AEVAF	IMPUTATION FLAG	N	2	1745	1746
534	ASCHLYF	IMPUTATION FLAG	N	2	1747	1748
535	ADOBMF	IMPUTATION FLAG	N	2	1749	1750
536	ADOBYF	IMPUTATION FLAG	N	2	1751	1752
537	ARACF	IMPUTATION FLAG	N	2	1753	1754
538	AOTHRACF	IMPUTATION FLAG	N	2	1755	1756
539	AHISPANF	IMPUTATION FLAG	N	2	1757	1758
540	AMARSTAF	IMPUTATION FLAG	N	2	1759	1760
541	ABORNUF	IMPUTATION FLAG	N	2	1761	1762
542	AMOVEAGF	IMPUTATION FLAG	N	2	1763	1764
543	ASTUENF	IMPUTATION FLAG	N	2	1765	1766
544	JOBLOOF	IMPUTATION FLAG	N	2	1767	1768
545	JOBPUBF	IMPUTATION FLAG	N	2	1769	1770
546	JOBPRIF	IMPUTATION FLAG	N	2	1771	1772
547	JOBEMPF	IMPUTATION FLAG	N	2	1773	1774
548	JOBREF	IMPUTATION FLAG	N	2	1775	1776
549	JOBANSAF	IMPUTATION FLAG	N	2	1777	1778
550	JOBREAF	IMPUTATION FLAG	N	2	1779	1780
551	JOBOTHEF	IMPUTATION FLAG	N	2	1781	1782
552	JOBACTF	IMPUTATION FLAG	N	2	1783	1784
553	JOBTAKF	IMPUTATION FLAG	N	2	1785	1786
554	JOBEVEF	IMPUTATION FLAG	N	2	1787	1788
555	IBWORKMF	IMPUTATION FLAG	N	2	1789	1790

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ORDER	VARIABLE NAME	VARIABLE LABEL	FORMAT	LENGTH	START COLUMN	END COLUMN
556	JOBMORF	IMPUTATION FLAG	N	2	1791	1792
557	PAYHRF	IMPUTATION FLAG	N	2	1793	1794
558	EARNAMF	IMPUTATION FLAG	N	2	1795	1796
559	EARNUNF	IMPUTATION FLAG	N	2	1797	1798
560	FSIF	IMPUTATION FLAG	N	2	1799	1800
561	FSOF	IMPUTATION FLAG	N	2	1801	1802
562	CONTREF	IMPUTATION FLAG	N	2	1803	1804
563	HOWNHOMF	IMPUTATION FLAG	N	2	1805	1806
564	HOTHNUF	IMPUTATION FLAG	N	2	1807	1808
565	HNUMUSF	IMPUTATION FLAG	N	2	1809	1810
566	HWIF	IMPUTATION FLAG	N	2	1811	1812
567	HFOODSF	IMPUTATION FLAG	N	2	1813	1814
568	HAFDF	IMPUTATION FLAG	N	2	1815	1816
569	HINCMRNF	IMPUTATION FLAG	N	2	1817	1818
570	HINCOMF	IMPUTATION FLAG	N	2	1819	1820
571	HINCMEXF	IMPUTATION FLAG	N	2	1821	1822
572	EARNFLAG	EARNINGS FLAG	N	2	1823	1824

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APPENDIX D

SAS CODE FOR DERIVED VARIABLES

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```
/* AELABOR */

IF (IBWORK = 1 | (IBWORK = 2 & IBLEAVE = 1)) THEN AELABOR = 1;
        ELSE IF (IBWORK = 2 & IBLEAVE = 2) & JOBLOOK = 1 & (JOBPUBL = 1 | JOBPRIV = 1 |
         JOBEMPL = 1 | JOBREL = 1 | JOBANSAD = 1) THEN AELABOR = 2;
        ELSE AELABOR = 3;


/* AELABOR2 */

IF (IBWORK = 1 | (IBWORK = 2 & IBLEAVE = 1)) THEN AELABOR2 = 1;
     ELSE IF (IBWORK =2 & IBLEAVE = 2) & JOBLOOK = 1 & (JOBPUBL = 1 | JOBPRIV = 1 |
     JOBEMPL = 1 | JOBREL = 1 | JOBANSAD = 1) & JOBTAKE = 1 THEN AELABOR2 = 2;
        ELSE AELABOR2 = 3;


/* AEPARTIC */

IF (ESLANG = 1 | ((BSIMPROV = 1 | BSGED = 1 | BSHSEQUV = 1) AND BSATDAY ^=1) |
    ((CRDEGREE = 1 | CRVOCDIP = 1) & (2 <= CRPTFT <=3)) |
      APPRENTI = 1 | WRACTY = 1 | SAACTY = 1) THEN AEPARTIC = 1;
        ELSE AEPARTIC = 0;


/* AEPARANY */

IF (ESLANG = 1 | ((BSIMPROV = 1 | BSGED = 1 | BSHSEQUV = 1) AND BSATDAY ^=1) | CRDEGREE = 1 |
CRVOCDIP = 1 | APPRENTI = 1 | WRACTY = 1 | SAACTY = 1) THEN AEPARANY = 1;
        ELSE AEPARANY = 0;


/* ANYSUPP */

IF (ESLANG NE 1 & NOT ((BSIMPROV = 1 | BSGED = 1 | BSHSEQUV = 1) AND BSATDAY ^=1) &
     CRDEGREE = 2 & CRVOCDIP = 2 & WRACTY = 2) THEN ANYSUPP = -1;
        ELSE IF (ESSUPP = 1 | BSSUPP = 1 | CRSUPP= 1 | WRSUPP = 1) THEN ANYSUPP = 1;
        ELSE ANYSUPP = 0;


/* BSPARTIC */

IF (((BSIMPROV = 1 | BSGED = 1 | BSHSEQUV = 1) AND BSATDAY ^=1) | ESLANG = 1) THEN BSPARTIC = 1;
        ELSE BSPARTIC = 0;


/* BSSUPP */

IF NOT ((BSIMPROV = 1 | BSGED = 1 | BSHSEQUV = 1) AND BSATDAY ^=1) THEN BSSUPP = -1;
ELSE IF (BSPROVEM  = 1 | BSEMPWP = 1 | BSEMPSPA = 1 | BSEMPPAY = 1) THEN BSSUPP = 1;
   ELSE BSSUPP = 0;


/* BSTIMED */

IF NOT ((BSIMPROV = 1 | BSGED = 1 | BSHSEQUV = 1) AND BSATDAY ^=1) THEN BSTIMED = -1;
        ELSE IF BSHRSUNT = 2 THEN BSTIMED = BSHRS;
ELSE IF (BSHRSUNT =1 & BSHRS =<3) & (BSWHEN =1 & BSWHENUN =2) THEN BSTIMED = BSHRS * 5;
ELSE IF (BSHRSUNT =1 & BSWHENUN =1 & BSWHEN >=6) THEN BSTIMED = BSHRS*5;
ELSE IF (BSHRSUNT = 1 & BSWHENUN =1 & BSWHEN <=5) THEN BSTIMED= BSHRS * BSWHEN;
        ELSE BSTIMED = BSHRS;
```

```
/* BSWEEK */

IF NOT ((BSIMPROV = 1 | BSGED = 1 | BSHSEQUV = 1) AND BSATDAY ^=1) THEN BSWEEK = -1;
        ELSE IF BSWHENUN = 1 & BSWHEN < 8 THEN BSWEEK = 1;
        ELSE IF BSWHENUN = 1 & (7 < BSWHEN < 15) THEN BSWEEK = 2;
        ELSE IF BSWHENUN = 1 & (14 < BSWHEN < 22) THEN BSWEEK = 3;
        ELSE IF BSWHENUN = 1 & (21 < BSWHEN < 29) THEN BSWEEK = 4;
        ELSE IF BSWHENUN = 1 & (28 < BSWHEN < 36) THEN BSWEEK = 5;
        ELSE IF BSWHENUN = 1 & (35 < BSWHEN < 43) THEN BSWEEK = 6;
        ELSE IF BSWHENUN = 1 & (42 < BSWHEN < 50) THEN BSWEEK = 7;
        ELSE IF BSWHENUN = 1 & (49 < BSWHEN < 57) THEN BSWEEK = 8;
        ELSE IF BSWHENUN = 1 & (56 < BSWHEN < 64) THEN BSWEEK = 9;
        ELSE IF BSWHENUN = 1 & (63 < BSWHEN < 71) THEN BSWEEK = 10;
        ELSE IF BSWHENUN = 1 & (70 < BSWHEN < 78) THEN BSWEEK = 11;
        ELSE IF BSWHENUN = 1 & (77 < BSWHEN < 85) THEN BSWEEK = 12;
        ELSE IF BSWHENUN = 1 & (84 < BSWHEN < 92) THEN BSWEEK = 13;
        ELSE IF BSWHENUN = 1 & (91 < BSWHEN < 99) THEN BSWEEK = 14;
        ELSE IF BSWHENUN = 1 & (98 < BSWHEN < 106) THEN BSWEEK = 15;
        ELSE IF BSWHENUN = 1 & (105 < BSWHEN < 113) THEN BSWEEK = 16;
        ELSE IF BSWHENUN = 1 & (112 < BSWHEN < 120) THEN BSWEEK = 17;
        ELSE IF BSWHENUN = 1 & (119 < BSWHEN < 127) THEN BSWEEK = 18;
        ELSE IF BSWHENUN = 1 & (126 < BSWHEN < 134) THEN BSWEEK = 19;
        ELSE IF BSWHENUN = 1 & (133 < BSWHEN < 141) THEN BSWEEK = 20;
        ELSE IF BSWHENUN = 1 & (140 < BSWHEN < 148) THEN BSWEEK = 21;
        ELSE IF BSWHENUN = 1 & (147 < BSWHEN < 155) THEN BSWEEK = 22;
        ELSE IF BSWHENUN = 1 & (154 < BSWHEN < 162) THEN BSWEEK = 23;
        ELSE IF BSWHENUN = 2 THEN BSWEEK = BSWHEN;
        ELSE IF BSWHENUN = 3 THEN BSWEEK = (BSWHEN * 4);
        ELSE IF BSWHENUN = 4 THEN BSWEEK = (BSWHEN * 16);
        ELSE IF BSWHENUN = 5 THEN BSWEEK = (BSWHEN * 12);


/* CRDIPART */

IF (CRDEGREE = 1 | CRVOCDIP = 1) THEN CRDIPART = 1;
        ELSE CRDIPART = 0;


/* CRSUPP */

IF CRVOCDIP = 2 & CRDEGREE = 2 THEN CRSUPP = -1;
     ELSE IF (CRPROVEM  = 1 | CREMPWP = 1 | CREMPSPA = 1 | CREMPPAY = 1) THEN CRSUPP = 1;
        ELSE CRSUPP= 0;


/* DISTEDUC */

IF (ESLANG NE 1 & NOT ((BSIMPROV = 1 | BSGED = 1 | BSHSEQUV = 1) AND BSATDAY ^=1) &
  CRDEGREE = 2 & CRVOCDIP = 2 & WRACTY = 2 & SAACTY = 2) THEN DISTEDUC = -1;
ELSE IF (ESDIST = 1 | BSDIST = 1 | CRDIST = 1 | WRDIST = 1 | SADIST = 1) THEN DISTEDUC = 1;
        ELSE DISTEDUC = 0;


/* EDUCLEVL */

  IF IBGRADE < 4 AND IBDIPL=2 THEN EDUCLEVL= 1;
      ELSE IF IBGRADE = 4 OR (IBGRADE LT 4 AND IBDIPL=1) THEN EDUCLEVL= 2;
      ELSE IF 5 <= IBGRADE <= 8 THEN EDUCLEVL = 3;
      ELSE IF IBGRADE >= 9 THEN EDUCLEVL = 4;


/* ESSUPP */

IF ESLANG NE 1 THEN ESSUPP = -1;
ELSE IF (ESPROVEM  = 1 | ESEMPWP = 1 | ESEMPSPA = 1 | ESEMPPAY = 1) THEN ESSUPP = 1;
    ELSE ESSUPP = 0;
```

```
/* ESTIMED */

IF ESLANG NE 1 THEN ESTIMED = -1;
        ELSE IF ESHRSUNT = 2 THEN ESTIMED = ESHRS;
ELSE IF (ESHRSUNT = 1 & ESHRS =< 3) & (ESWHEN = 1 & ESWHENUN = 2) THEN ESTIMED = ESHRS * 5;
        ELSE IF (ESHRSUNT =1 & ESWHENUN = 1 & ESWHEN>= 6) THEN ESTIMED=ESHRS * 5;
ELSE IF (ESHRSUNT =1 & ESWHENUN =1 & ESWHEN <=5) THEN ESTIMED = ESHRS * ESWHEN;
        ELSE ESTIMED = ESHRS;


/* ESWEEK */

IF ESLANG NE 1 THEN ESWEEK = -1;
        ELSE IF ESWHENUN = 1 & ESWHEN < 8 THEN ESWEEK = 1;
        ELSE IF ESWHENUN = 1 & (7 < ESWHEN < 15) THEN ESWEEK = 2;
        ELSE IF ESWHENUN = 1 & (14 < ESWHEN < 22) THEN ESWEEK = 3;
        ELSE IF ESWHENUN = 1 & (21 < ESWHEN < 29) THEN ESWEEK = 4;
        ELSE IF ESWHENUN = 1 & (28 < ESWHEN < 36) THEN ESWEEK = 5;
        ELSE IF ESWHENUN = 1 & (35 < ESWHEN < 43) THEN ESWEEK = 6;
        ELSE IF ESWHENUN = 1 & (42 < ESWHEN < 50) THEN ESWEEK = 7;
        ELSE IF ESWHENUN = 1 & (49 < ESWHEN < 57) THEN ESWEEK = 8;
        ELSE IF ESWHENUN = 1 & (56 < ESWHEN < 64) THEN ESWEEK = 9;
        ELSE IF ESWHENUN = 1 & (63 < ESWHEN < 71) THEN ESWEEK = 10;
        ELSE IF ESWHENUN = 1 & (70 < ESWHEN < 78) THEN ESWEEK = 11;
        ELSE IF ESWHENUN = 1 & (77 < ESWHEN < 85) THEN ESWEEK = 12;
        ELSE IF ESWHENUN = 1 & (84 < ESWHEN < 92) THEN ESWEEK = 13;
        ELSE IF ESWHENUN = 1 & (91 < ESWHEN < 99) THEN ESWEEK = 14;
        ELSE IF ESWHENUN = 1 & (98 < ESWHEN < 106) THEN ESWEEK = 15;
        ELSE IF ESWHENUN = 1 & (105 < ESWHEN < 113) THEN ESWEEK = 16;
        ELSE IF ESWHENUN = 1 & (112 < ESWHEN < 120) THEN ESWEEK = 17;
        ELSE IF ESWHENUN = 1 & (119 < ESWHEN < 127) THEN ESWEEK = 18;
        ELSE IF ESWHENUN = 1 & (126 < ESWHEN < 134) THEN ESWEEK = 19;
        ELSE IF ESWHENUN = 1 & (133 < ESWHEN < 141) THEN ESWEEK = 20;
        ELSE IF ESWHENUN = 1 & (140 < ESWHEN < 148) THEN ESWEEK = 21;
        ELSE IF ESWHENUN = 1 & (147 < ESWHEN < 155) THEN ESWEEK = 22;
        ELSE IF ESWHENUN = 1 & (154 < ESWHEN < 162) THEN ESWEEK = 23;
        ELSE IF ESWHENUN = 2 THEN ESWEEK = ESWHEN;
        ELSE IF ESWHENUN = 3 THEN ESWEEK = (ESWHEN * 4);
        ELSE IF ESWHENUN = 4 THEN ESWEEK = (ESWHEN * 16);
        ELSE IF ESWHENUN = 5 THEN ESWEEK = (ESWHEN * 12);
        ELSE IF ESWHENUN = 91 THEN ESWEEK = ESWKS;


/* HIGHEDUC */

IF (IBGRADE < 8 & IBDIPL = 2) THEN HIGHEDUC = 1;
        ELSE IF (IBGRADE = 4 | (IBGRADE < 8 & IBDIPL = 1)) THEN HIGHEDUC = 2;
        ELSE IF IBGRADE = 8 THEN HIGHEDUC = 3;
        ELSE HIGHEDUC = 4;


/* RACEETHN */

IF AHISPANI = 1 THEN RACEETHN = 3;
        ELSE IF ARACE = 2 THEN RACEETHN = 2;
        ELSE IF ARACE = 1 THEN RACEETHN = 1;
        ELSE IF ARACE IN (3, 4, 91) THEN RACEETHN = 4;


/* RACEETH2 */

IF AHISPANI = 1 THEN RACEETH2 = 3;
        ELSE IF ARACE = 4 THEN RACEETH2 = 4;
        ELSE IF ARACE = 2 THEN RACEETH2 = 2;
        ELSE IF ARACE = 1 THEN RACEETH2 = 1;
        ELSE IF ARACE IN (3, 91) THEN RACEETH2 = 5;
```

```
/* WRNEW */

ARRAY WRNAME WRNAME1-WRNAME14;
WRNEW=0;
DO OVER WRNAME;
    IF WRNAME ^= '-1' THEN WRNEW+1;
END;

IF WRNEW = 0 THEN WRNEW = -1;
IF WRACTY = -1 THEN WRNEW = -1;


/* WRSUPP */

IF WRACTY = 2 THEN WRSUPP = -1;
    ELSE IF (WRPROVEM = 1 | WREMPWP =1 | WREMPSPA =1 | WREMPPAY =1) THEN WRSUPP = 1;
        ELSE WRSUPP = 0;
```

APPENDIX E

**CROSS-REFERENCE OF NHES:1999 VARIABLES WITH VARIABLES
FROM PREVIOUS NHES ADMINISTRATIONS**

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CROSS-REFERENCE OF NHES:1999 WITH PREVIOUS NHES ADMINISTRATIONS

The NHES:1999 contains many items that were administered in the previous NHES surveys. To aid data users who are interested in analysis of data from multiple years, a cross-reference of variables from the NHES:1999 and those of the other survey years is given in this section. The information is presented in two ways. First, a guide to the cross-reference provides a quick overview by indicating which items are available for multiple years. The detailed cross-reference that follows gives the name of the variable and the questionnaire item number for each survey in which the item was administered.

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Table E-1.—Adult Education Interview Cross-Reference Guide

Variable Description	Item Administered in Previous Surveys		
	1996 **Adult Civic Involvement**	**1995** **Adult Education**	**1991** **Adult Education**
1999			
Initial Background			
Highest grade/year of school completed	√	√	√
Actual grade completed up to 8th grade	√	√	
Actual grade completed between 9th and 11th grade	√	√	
Received vocational/technical diploma		√	
High school diploma or equivalent (GED)	√	√	√
High school diploma received in US		√	
High school diploma/equivalent in past 12 months		√	
High school diploma through equivalent (GED)		√	
Worked for pay last week	√	√	√
On leave or vacation last week	√	√	√
Worked at a job in the last 12 months		√	
First language learned to speak	√	√	
Language spoken most at home	√	√	
How well reads English		√	
How well writes English		√	
English as a Second Language			
ESL classes		√	√
ESL is part of college program		√	
Main reason for ESL classes		√	
Time spent in ESL classes		√	
Unit of time in ESL classes		√	
How many weeks in ESL classes		√	
Hours attended ESL classes		√	
Unit of time attended ESL		√	
Days per week attended ESL classes			
Type of instruction provider		√	
Instruction provider was employer		√	
Employer required ESL classes		√	
Employer gave time off with/without pay		√	
Employer provided classroom space		√	
Employer paid all/part of costs		√	
Provider of support current employer			
ESL through distance education			
ESL class through distance education- tv/radio			
ESL class through distance education- e-mail			
ESL class through distance education- computer conf			
ESL class through distance education- Internet			
ESL class through distance education- satellite			
ESL class through distance education- video conf			
ESL class through distance education- other			
Ever taken ESL classes			

Table E-1.—Adult Education Interview Cross-Reference Guide—Continued

Variable Description	Item Administered in Previous Surveys		
	1996	**1995**	**1991**
1999	**Adult Civic Involvement**	**Adult Education**	**Adult Education**
Basic Skills and GED Preparation			
Basic skills classes		√	√
Equivalent (GED) preparation classes		√	√
Other high school equivalency program		√	
Received diploma through regular daytime high school			
ABE/GED part of family literacy program			
Main reason for ABE/GED classes		√	
Time spent in ABE/GED classes		√	
Unit of time in ABE/GED classes		√	
How many weeks in ABE/GED classes		√	
Hours attended ABE/GED classes		√	
Unit for hours attended ABE/GED		√	
Days per week attended ABE/GED classes			
Type of instruction provider		√	
Instruction provider was employer		√	
Employer required ABE/GED classes		√	
Employer gave time off with/without pay		√	
Employer provided classroom space		√	
Employer paid all/part of costs		√	
Provider of support current employer			
ABE/GED through distance education			
ABE/GED through distance education- tv/radio			
ABE/GED through distance education- e-mail			
ABE/GED through distance education- computer conf			
ABE/GED through distance education- Internet			
ABE/GED through distance education- satellite			
ABE/GED through distance education- video confer			
ABE/GED through distance education- other			
Ever taken ABE/GED classes			
Credential Programs			
College or university program		√	√
Vocational/technical program		√	√
Type of program- vocational/technical diploma		√	
Type of program- associate's degree		√	√
Type of program- bachelor's degree		√	√
Type of program- master's degree		√	√
Type of program- doctorate degree		√	√
Type of program- professional degree		√	
Type of program- other degree		√	√
Main reason for credential program		√	
Type of instruction provider		√	
Public or private college/university			
Instruction provider was employer		√	
Employer required credential program		√	

Table E-1.—Adult Education Interview Cross-Reference Guide—Continued

Variable Description	Item Administered in Previous Surveys		
	1996	**1995**	**1991**
1999	**Adult Civic Involvement**	**Adult Education**	**Adult Education**
Employer gave time off with/without pay		√	
Employer provided classroom space		√	
Employer paid all/part of costs		√	
Provider of support current employer			
Part-time or full-time student			
Credential program through distance education			
Credential program through distance ed- tv/radio			
Credential program through distance ed- e-mail			
Credential program through distance ed- com/conf			
Credential program through distance ed- Internet			
Credential program through distance ed- satellite			
Credential program through distance ed- video conf			
Credential program through distance ed- other			
Apprenticeship Programs			
Apprenticeship program		√	
Still in apprenticeship program		√	
Employer sponsored apprenticeship		√	
Labor union sponsored apprenticeship		√	
Local or state government sponsored apprenticeship		√	
Federal government sponsored apprenticeship		√	
Someone else sponsored apprenticeship		√	
Career- or Job-related Courses			
Career or job related courses		√	
Main reason for work related course		√	
Same main reason for other courses			
To improve/advance job			
To train for new job			
To improve basic skills			
To meet requirement for degree			
For personal/family reason			
For some other reason			
Total hours in work related courses			
Provider- elementary/junior/high school			
Provider- junior college			
Provider- vocational/technical school			
Provider- 4-year college/university			
Provider- private trade/business school			
Provider- adult learning center			
Provider- business/industry		√	
Provider- professional organization			
Provider- federal/state/local government			
Provider- public library			
Provider- private community organization			

Table E-1.—Adult Education Interview Cross-Reference Guide—Continued

Variable Description	Item Administered in Previous Surveys		
	1996	**1995**	**1991**
1999	**Adult Civic Involvement**	**Adult Education**	**Adult Education**
Provider- church/religious organization			
Provider- tutor/private instructor			
Provider- other school or organization			
Instructional provider was employer		√	
Employer required work-related courses		√	
Employer gave time off with/without pay		√	
Employer provided classroom space		√	
Employer paid all/part of costs		√	
Provider of support current employer			
Work-related courses through distance education			
Work-related courses through distance ed- tv/radio			
Work-related courses through distance ed- e-mail			
Work-related courses through distance ed- com conf			
Work-related courses through distance ed- Internet			
Work-related courses through distance ed- satellite			
Work-related courses through distance ed- video conf			
Work-related courses through distance ed- other			
Personal Interest/Development Courses			
Other structured courses		√	
For personal/family reason		√	
To meet requirement for degree		√	
To improve/advance/keep up to date on current job		√	
To train for new job		√	
To improve basic skills		√	
For some other reason		√	
Provider- elementary/junior/high school		√	
Provider- junior college		√	
Provider- vocational/technical school		√	
Provider- 4-year college/university		√	
Provider- private trade/business school		√	
Provider- adult learning center		√	
Provider- business/industry		√	
Provider- professional association		√	
Provider- federal/state/local government		√	
Provider- public library		√	
Provider- private community organization		√	
Provider- church or religious organization		√	
Provider- tutor/private instructor		√	
Provider- other school/organization		√	
Personal course through distance education			
Personal course through distance education-tv/radio			
Personal course through distance ed- e-mail			
Personal course through distance ed- com conf			
Personal course through distance ed- Internet			

Table E-1.—Adult Education Interview Cross-Reference Guide—Continued

Variable Description	Item Administered in Previous Surveys		
	1996	1995	1991
1999	Adult Civic Involvement	Adult Education	Adult Education
Personal course through distance ed- satellite			
Personal course through distance ed- video conf			
Personal course through distance ed- other			
General Information about Educational Activities			
Other courses/programs taken in past 12 months			
ESL classes			
ABE/GED classes			
Credential programs			
Apprenticeship programs			
Career or job related courses			
Other structured courses			
Heard of Lifetime Learning tax credit			
Heard of Hope Scholarship tax credit			
Use Lifetime Learning tax credit			
Use Hope Scholarship tax credit			
Literacy Activities and Community Involvement			
How often read newspaper	√		
Number of magazines	√		
Read any books in the past 6 months	√		
Used public library in the past month			√
Used public library in the past year			√
Participate in community service	√		
Strict discipline would improve education	√		
Promotion standard would improve education	√		
Teacher evaluations would improve education	√		
Longer school year would improve education	√		
Remaining Background			
Month of birth		√	
Year of birth		√	
Race		√	
Some other race			
Hispanic origin		√	
Current marital status		√	
Country of origin		√	
Age when moved to U.S.		√	
Studied English before moving to United States			
Looking for work in past 4 weeks	√	√	√
Checked with public employment agency	√	√	√
Checked with private employment agency	√	√	√
Checked with employer directly	√	√	√
Checked with friends or relatives	√	√	√
Place or answered ads/sent resume	√	√	√

Table E-1.—Adult Education Interview Cross-Reference Guide—Continued

Variable Description	Item Administered in Previous Surveys		
	1996	**1995**	**1991**
1999	**Adult Civic Involvement**	**Adult Education**	**Adult Education**
Read want ads	√	√	
Something else to find work	√	√	√
Main activity done most of last week	√	√	√
Could have taken job last week		√	
Ever worked at a job for pay		√	√
Months worked for pay in past year	√	√	
More than one job last week		√	
Hours per week worked for pay	√	√	√
Earnings		√	√
Unit of earnings		√	√
Required continuing education		√	
Household Characteristics			
Own, rent home, or other arrangement	√	√	√
Other telephone number in household		√	
How many other phone numbers for home use		√	
ZIP Code		√	
Family received WIC past 12 months		√	
Family received food stamps past 12 months		√	
Family received TANF or AFDC past 12 months		√	
Total household income- range	√	√	
Total household income- specific range	√	√	√
Exact income to nearest $1000	√	√	

Table E-2.—NHES:1999 Adult Education Interview Cross-Reference with Previous Survey Items

Variable Description	1999 Adult Education Interview		1996 Adult Civic Involvement		1995 Adult Education		1991 Adult Education	
	Variable	Question	Variable	Question	Variable	Question	Variable	Question
Initial Background								
Highest grade/year of school completed	IBGRADE	AA1	AGRADE	R19	IBGRADE	A1	HIGHGRAD	A59
Actual grade completed up to 8th grade	IBGRAD1	AA1	AGRAD1	R19	IBGRAD1	A1		
Actual grade completed between 9th and 11th grade	IBGRAD2	AA1	AGRAD2	R19	IBGRAD2	A1		
Received vocational/technical diploma	IBVOCDIP	AA1OV			IBVOCDIP	A10V		
High school diploma or equivalent (GED)	IBDIPL	AA2	ADIPL	R20	IBDIPL	A2	HSDIPLMA	A60
High school diploma received in US	IBUSDIPL	AA2OV			IBUSDIPL	A3		
High school diploma/equivalent in past 12 months	IBDIPLYR	AA3			IBDIPLYR	A4		
High school diploma through equivalent (GED)	IBGED	AA4			IBGED	A5		
Worked for pay last week	IBWORK	AA5	AWORK	R21	IBWORK	I15	WORKWEEK	A45a
On leave or vacation last week	IBLEAVE	AA6	ALEAVE	R22	IBLEAVE	I16	VACATION	A46
Worked at a job in the last 12 months	IBWORK12	AA7			IBWORK12	A6		
First language learned to speak	IBLANG	AA8	ALANG	R17	IBLANG	A10		
Language spoken most at home	IBSPEAK	AA9	ASPEAK	R18	IBSPEAK	A11		
How well reads English	READENGL	AA10			READENGL	I36		
How well writes English	WRITENGL	AA11			WRITENGL	I37		
English as a Second Language								
ESL classes	ESLANG	AB1			ESLANG	B1	FTENGLSH+OTENGL +ENGLISH	A1Af+A8f+ A16
ESL is part of college program	ESCOLL	AB2			ESCOLL	B10V		
Main reason for ESL classes	ESREASON	AB3			ESREASON	B3		
Time spent in ESL classes	ESWHEN	AB4			ESWHEN	B6		
Unit of time in ESL classes	ESWHENUN	AB4			ESWHENUN	B6		
How many weeks in ESL classes	ESWKS	AB5			ESWKS	B60V		
Hours attended ESL classes	ESHRS	AB6			ESHRS	B7		
Unit of time attended ESL	ESHRSUNT	AB6			ESHRSUNT	B7		
Days per week attended ESL classes	ESDAYS	AB7						
Type of instruction provider	ESPRTYP	AB8			ESPROVID/R, ESPROVTY	B9, B10		
Instruction provider was employer	ESPROVEM	AB9			ESPROVEM	B13		
Employer required ESL classes	ESEMPREQ	AB10a			ESEMPREQ	B15A		
Employer gave time off with/without pay	ESEMPWP	AB10b			ESEMPWP	B15B		
Employer provided classroom space	ESEMPSPA	AB10c			ESEMPSPA	B15C		
Employer paid all/part of costs	ESEMPPAY	AB10d			ESEMPPAY	B15D		
Provider of support current employer	ESCUREM	AB11						
ESL through distance education	ESDIST	AB12						
ESL class through distance education- tv/radio	ESINTV	AB13						
ESL class through distance education- e-mail	ESINEMA	AB13						
ESL class through distance education- computer conf	ESINCOM	AB13						
ESL class through distance education- Internet	ESINWWW	AB13						
ESL class through distance education- satellite	ESINSAT	AB13						
ESL class through distance education- video conf	ESINVID	AB13						
ESL class through distance education- other	ESINOTH	AB13						
Ever taken ESL classes	ESEVER	AB14						

Table E-2.—NHES:1999 Adult Education Interview Cross-Reference with Previous Survey Items—Continued

Variable Description	1999 Adult Education Interview		1996 Adult Civic Involvement		1995 Adult Education		1991 Adult Education	
	Variable	Question	Variable	Question	Variable	Question	Variable	Question
Basic Skills and GED Preparation								
Basic skills classes	BSIMPROV	AC1a			BSIMPROV	C1a	FTBASIC+OTBASIC+ BASIC	A1Ae+A8e+ A15
Equivalent (GED) preparation classes	BSGED	AC1b			BSGED	C1b	FTGED+OTGED	A1Ah+A8h
Other high school equivalency program	BSHSEQUV	AC1c			BSHSEQUV	C1c		
Received diploma through regular daytime high school	BSATDAY	AC2						
ABE/GED part of family literacy program	BSFMLIT	AC3						
Main reason for ABE/GED classes	BSREASON	AC4			BSREASON	C2		
Time spent in ABE/GED classes	BSWHEN	AC5			BSWHEN	C5		
Unit of time in ABE/GED classes	BSWHENUN	AC5			BSWHENUN	C5		
How many weeks in ABE/GED classes	BSWKS	AC6			BSWKS	C5OV		
Hours attended ABE/GED classes	BSHRS	AC7			BSHRS	C6		
Unit for hours attended ABE/GED	BSHRSUNT	AC7			BSHRSUNT	C6		
Days per week attended ABE/GED classes	BSDAYS	AC8						
Type of instruction provider	BSPRTYP	AC9			BSPROVID/R, BSPROVTY	C8, C9		
Instruction provider was employer	BSPROVEM	AC10			BSPROVEM	C12		
Employer required ABE/GED classes	BSEMPREQ	AC11a			BSEMPREQ	C14a		
Employer gave time off with/without pay	BSEMPWP	AC11b			BSEMPWP	C14b		
Employer provided classroom space	BSEMPSPA	AC11c			BSEMPSPA	C14c		
Employer paid all/part of costs	BSEMPPAY	AC11d			BSEMPPAY	C14d		
Provider of support current employer	BSCUREM	AC12						
ABE/GED through distance education	BSDIST	AC13						
ABE/GED through distance education- tv/radio	BSINTV	AC14						
ABE/GED through distance education- e-mail	BSINEMA	AC14						
ABE/GED through distance education- computer conf	BSINCOM	AC14						
ABE/GED through distance education- Internet	BSINWWW	AC14						
ABE/GED through distance education- satellite	BSINSAT	AC14						
ABE/GED through distance education- video confer	BSINVID	AC14						
ABE/GED through distance education- other	BSINOTH	AC14						
Ever taken ABE/GED classes	BSEVER	AC15						
Credential Programs								
College or university program	CRDEGREE	AD1a			CRDEGREE	D1a	FTASSOC+ FTBACHLR	A1Ab+A1Ac
Vocational/technical program	CRVOCDIP	AD1b			CRVOCDIP	D1b	FTVOCA	A1Ad
Type of program- vocational/technical diploma	CRTYVOC	AD2			CRDIPLO1-3	D3		
Type of program- associate's degree	CRTYASC	AD2			CRDIPLO1-3	D3	PTDEGREE	A5
Type of program- bachelor's degree	CRTYBCH	AD2			CRDIPLO1-3	D3	PTDEGREE	A5
Type of program- master's degree	CRTYMAS	AD2			CRDIPLO1-3	D3	PTDEGREE	A5
Type of program- doctorate degree	CRTYDOC	AD2			CRDIPLO1-3	D3	PTDEGREE	A5
Type of program- professional degree	CRTYPRF	AD2			CRDIPLO1-3	D3		
Type of program- other degree	CRTYOTH	AD2			CRDIPLO1-3	D3	PTDEGREE	A5
Main reason for credential program	CRREASON	AD4			CRREASO1-3	D5		
Type of instruction provider	CRPRTYP	AD5			CR1PRTYP-CR3PRTYP	D15		

Table E-2.—NHES:1999 Adult Education Interview Cross-Reference with Previous Survey Items—Continued

Variable Description	1999 Adult Education Interview		1996 Adult Civic Involvement		1995 Adult Education		1991 Adult Education	
	Variable	Question	Variable	Question	Variable	Question	Variable	Question
Public or private college/university	CRPBPR	AD6						
Instruction provider was employer	CRPROVEM	AD7			CR1PREMP-CR3PREMP	D16		
Employer required credential program	CREMPREQ	AD8a			CR1EMREQ-CR3EMREQ	D18a		
Employer gave time off with/without pay	CREMPWP	AD8b			CR1EMPWP-CR3EMPWP	D18b		
Employer provided classroom space	CREMPSPA	AD8c			CR1EMSPA-CR3EMSPA	D18c		
Employer paid all/part of costs	CREMPPAY	AD8d			CR1EMPAY-CR3EMPAY	D18d		
Provider of support current employer	CRCUREM	AD9						
Part-time or full-time student	CRPTFT	AD10						
Credential program through distance education	CRDIST	AD11						
Credential program through distance ed- tv/radio	CRINTV	AD12						
Credential program through distance ed- e-mail	CRINEMA	AD12						
Credential program through distance ed- com/conf	CRINCOM	AD12						
Credential program through distance ed- Internet	CRINWWW	AD12						
Credential program through distance ed- satellite	CRINSAT	AD12						
Credential program through distance ed- video conf	CRINVID	AD12						
Credential program through distance ed- other	CRINOTH	AD12						
Apprenticeship Programs								
Apprenticeship program	APPRENTI	AE1			APPRENTI	E1		
Still in apprenticeship program	APSTILL	AE2			APSTILL	E1OV		
Employer sponsored apprenticeship	APEMPLOY	AE4a			APEMPLOY	E4a		
Labor union sponsored apprenticeship	APUNION	AE4b			APUNION	E4b		
Local or state government sponsored apprenticeship	APSTAGOV	AE4c			APSTAGOV	E4c		
Federal government sponsored apprenticeship	APFEDGOV	AE4d			APFEDGOV	E4d		
Someone else sponsored apprenticeship	APOTHER	AE4e			APOTHER	E4e		
Career- or Job-related Courses								
Career or job related courses	WRACTY	AF1			WRACTY	F1		
Main reason for work related course	WRCSREA	AF3			WRREASO1-6	F4		
Same main reason for other courses	WRSAME	AF4						
To improve/advance job	WRRSCUR	AF5						
To train for new job	WRRSNEW	AF5						
To improve basic skills	WRRSBAS	AF5						
To meet requirement for degree	WRRSREQ	AF5						
For personal/family reason	WRRSPER	AF5						
For some other reason	WRRSOTH	AF5						
Total hours in work related courses	WRTOTHR	AF6						
Provider- elementary/junior/high school	WRSCSCH	AF7						
Provider- junior college	WRSC2YR	AF7						
Provider- vocational/technical school	WRSCVOC	AF7						
Provider- 4- year college/university	WRPR4YR	AF7						
Provider- private trade/business school	WRPRPRI	AF7						

Table E-2.—NHES:1999 Adult Education Interview Cross-Reference with Previous Survey Items—Continued

Variable Description	1999 Adult Education Interview		1996 Adult Civic Involvement		1995 Adult Education		1991 Adult Education	
	Variable	Question	Variable	Question	Variable	Question	Variable	Question
Provider- adult learning center	WRSCALC	AF7						
Provider- business/industry	WRPRBUS	AF7			WR1PRTYP-WR6PRTYP	F10		
Provider- professional organization	WRPRPRO	AF7						
Provider- federal/state/local government	WRPRGOV	AF7						
Provider- public library	WRSCLIB	AF7						
Provider- private community organization	WRSCORG	AF7						
Provider- church/religious organization	WRSCCHU	AF7						
Provider- tutor/private instructor	WRSCTUT	AF7						
Provider- other school or organization	WRSCOTH	AF7						
Instructional provider was employer	WRPROVEM	AF8			WR1PREMP-WR6PREMP	F11		
Employer required work-related courses	WREMPREQ	AF9a			WR1EMREQ-WR6EMREQ	F13a		
Employer gave time off with/without pay	WREMPWP	AF9b			WR1EMPWP-WR6EMPWP	F13b		
Employer provided classroom space	WREMPSPA	AF9c			WR1EMSPA-WR6EMSPA	F13c		
Employer paid all/part of costs	WREMPPAY	AF9d			WR1EMPAY-WR6EMPAY	F13d		
Provider of support current employer	WRCUREM	AF10						
Work-related courses through distance education	WRDIST	AF11						
Work-related courses through distance ed- tv/radio	WRINTV	AF12						
Work-related courses through distance ed- e-mail	WRINEMA	AF12						
Work-related courses through distance ed- com conf	WRINCOM	AF12						
Work-related courses through distance ed- Internet	WRINWWW	AF12						
Work-related courses through distance ed- satellite	WRINSAT	AF12						
Work-related courses through distance ed- video conf	WRINVID	AF12						
Work-related courses through distance ed- other	WRINOTH	AF12						
Personal Interest/Development Courses								
Other structured courses	SAACTY	AG1			SAACTY	G1		
For personal/family reason	SARSPER	AG2			SAREASO1-3	G4		
To meet requirement for degree	SARSREQ	AG2			SAREASO1-3	G4		
To improve/advance/keep up to date on current job	SARSCUR	AG2			SAREASO1-3	G4		
To train for new job	SARSNEW	AG2			SAREASO1-3	G4		
To improve basic skills	SARSBAS	AG2			SAREASO1-3	G4		
For some other reason	SARSOTH	AG2			SAREASO1-3	G4		
Provider- elementary/junior/high school	SASCSCH	AG3			SA1PRTYP-SA3PRTYP	G7		
Provider- junior college	SASC2YR	AG3			SA1PRTYP-SA3PRTYP	G7		
Provider- vocational/technical school	SASCVOC	AG3			SA1PRTYP-SA3PRTYP	G7		
Provider- 4-year college/university	SAPR4YR	AG3			SA1PRTYP-SA3PRTYP	G7		

Table E-2.—NHES:1999 Adult Education Interview Cross-Reference with Previous Survey Items—Continued

Variable Description	1999 Adult Education Interview		1996 Adult Civic Involvement		1995 Adult Education		1991 Adult Education	
	Variable	Question	Variable	Question	Variable	Question	Variable	Question
Provider- private trade/business school	SAPRPRI	AG3			SA1PRTYP- SA3PRTYP	G7		
Provider- adult learning center	SASCALC	AG3			SA1PRTYP- SA3PRTYP	G7		
Provider- business/industry	SAPRBUS	AG3			SA1PRTYP- SA3PRTYP	G7		
Provider- professional association	SARPRPRO	AG3			SA1PRTYP- SA3PRTYP	G7		
Provider- federal/state/local government	SAPRGOV	AG3			SA1PRTYP- SA3PRTYP	G7		
Provider- public library	SASCLIB	AG3			SA1PRTYP- SA3PRTYP	G7		
Provider- private community organization	SASCORG	AG3			SA1PRTYP- SA3PRTYP	G7		
Provider- church or religious organization	SASCCHU	AG3			SA1PRTYP- SA3PRTYP	G7		
Provider- tutor/private instructor	SASCTUT	AG3			SA1PRTYP- SA3PRTYP	G7		
Provider- other school/organization	SASCOTH	AG3			SA1PRTYP- SA3PRTYP	G7		
Personal course through distance education	SADIST	AG4						
Personal course through distance education- tv/radio	SAINTV	AG5						
Personal course through distance ed- e-mail	SAINEMA	AG5						
Personal course through distance ed- com conf	SAINCOM	AG5						
Personal course through distance ed- Internet	SAINWWW	AG5						
Personal course through distance ed- satellite	SAINSAT	AG5						
Personal course through distance ed- video conf	SAINVID	AG5						
Personal course through distance ed- other	SAINOTH	AG5						
General Information about Educational Activities								
Other courses/programs taken in past 12 months	GIOTH	AH1						
ESL classes	GIOTESL	AH2a						
ABE/GED classes	GIOTGED	AH2b						
Credential programs	GIOTCRD	AH2c						
Apprenticeship programs	GIOTAPR	AH2d						
Career or job related courses	GIOTWRL	AH2e						
Other structured courses	GIOTPRS	AH2f						
Heard of Lifetime Learning tax credit	GILIFE	AH3a						
Heard of Hope Scholarship tax credit	GIHOPE	AH3b						
Use Lifetime Learning tax credit	GILIFUS	AH4						
Use Hope Scholarship tax credit	GIHOPUS	AH5						
Literacy Activities and Community Involvement								
How often read newspaper	CARDPAPR	AI1	CARDPAPR	R1				
Number of magazines	CARDMAGS	AI2	CARDMAGS	R2				
Read any books in the past 6 months	CARDBOOK	AI3	CARDBOOK	R3				
Used public library in the past month	LIBMO	AI4					LIBMO	A62

Variable Description	1999 Adult Education Interview		1996 Adult Civic Involvement		1995 Adult Education		1991 Adult Education	
	Variable	Question	Variable	Question	Variable	Question	Variable	Question
Used public library in the past year	LIBYR	AI5					LIBYR	A63
Participate in community service	CASERVC	AI6	CASERVC	R8				
Strict discipline would improve education	ADISCIP	AI7a	ADISCIP	R28A				
Promotion standard would improve education	ASTANDS	AI7b	ASTANDS	R28B				
Teacher evaluations would improve education	AEVAL	AI7c	AEVAL	R28C				
Longer school year would improve education	ASCHLYR	AI7d	ASCHLYR	R28D				
Remaining Background								
Month of birth	ADOBMM	AJ1			ADOBMM	I1		
Year of birth	ADOBYY	AJ1			ADOBYY	I1		
Race	ARACE	AJ2			ARACE	I2		
Some other race	AOTHRACE	AJ3						
Hispanic origin	AHISPANI	AJ4			AHISPANI	I3		
Current marital status	AMARSTAT	AJ5			AMARSTAT	I4		
Country of origin	ABORNUS	AJ6			BORNUS	I5		
Age when moved to U.S.	AMOVEAGE	AJ6OV			MOVEAGE	I6		
Studied English before moving to United States	ASTEUNG	AJ6OV2						
Looking for work in past 4 weeks	JOBLOOK	AJ7	ALOOK	R25	JOBLOOK	I17	LOOKWORK	A54
Checked with public employment agency	JOBPUBL	AJ8	APUBL	R26	JOBPUBL	I18	LOOKPUBL	A55a
Checked with private employment agency	JOBPRIV	AJ8	APRIV	R26	JOBPRIV	I18	LOOKPRIV	A55b
Checked with employer directly	JOBEMPL	AJ8	AEMPL	R26	JOBEMPL	I18	LOOKEMPL	A55c
Checked with friends or relatives	JOBREL	AJ8	AREL	R26	JOBREL	I18	LOOKFRND	A55d
Place or answered ads/sent resume	JOBANSAD	AJ8	AANSAD	R26	JOBANSAD	I18	LOOKADS	A55e
Read want ads	JOBREAD	AJ8	AREAD	R26	JOBREAD	I18		
Something else to find work	JOBOTHER	AJ8	AOTHER	R26	JOBOTHER	I18	LOOKOTHR	A55g
Main activity done most of last week	JOBACTY	AJ9	AACTY	R27	JOBACTY	I19	LASTACTY	A56
Could have taken job last week	JOBTAKE	AJ10			JOBTAKE	I20		
Ever worked at a job for pay	JOBEVER	AJ11			JOBEVER	I21	WORKPAY	A45
Months worked for pay in past year	IBWORKMO	AJ12	AMTHS	R24	IBWORKMO	I24		
More than one job last week	JOBMORE	AJ13			JOBMORE	I26		
Hours per week worked for pay	PAYHRS	AJ14	AHOURS	R23	PAYHRS	I27	WORKHRS	A52
Earnings	EARNAMT	AJ15			EARNAMT	I30	SALARY	A53
Unit of earnings	EARNUNT	AJ15			EARNUNT	I30	SALARY	A53
Required continuing education	CONTREQ	AJ18			REQUIRMN	I14		
Household Characteristics								
Own, rent home, or other arrangement	HOWNHOME	AK1	HOWNHOME	SX27	HOWNHOME	J1	OWNHOME	S20
Other telephone number in household	HOTHNUM	AK2			HOTHNUM	J2		
How many other phone numbers for home use	HNUMUSE	AK3			HNUMUSE	J3		
ZIP Code	HZIPCODE	AK4			STFZIP/R	J6		
Family received WIC past 12 months	HWIC	AK5a			HWIC	J7a		
Family received food stamps past 12 months	HFOODST	AK5b			HFOODST	J7b		
Family received TANF or AFDC past 12 months	HAFDC	AK5c			HAFDC	J7c		
Total household income- range	HINCMRNG	AK6	HINCMRNG	SX33	HINCMRNG	J8		
Total household income- specific range	HINCOME	AK6	HINCOME	SX33	HINCOME	J8	INCOMRNG	S22A
Exact household income to nearest $1000	HINCMEXT	AK6OV	HINCMEXT	SX330V	HINCMEXT	J8OV		

APPENDIX F

ADULT EDUCATION INTERVIEW CODEBOOK

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ADULT EDUCATION INTERVIEW CODEBOOK

This section of the manual contains the codebook for the NHES:1999 Adult Education Interview data file. Prior to using the codebook and data file, readers should review chapter 6, Guide to the Data File and Codebook, and chapter 7, Data Consideration and Anomalies. Both of those chapters provide information that will make it easier for analysts to understand the layout of the data file and variables that have been included.

For each data element, the question, variable label, file location, format, codes, value labels, frequency, unweighted percents, and weighted percents are presented. Readers should review figure 6-1 on page 14 and the accompanying text for a detailed description of the codebook entries. As the reader will see in reviewing that section, standard formats have been used, and the same inapplicable code (-1) is used for all variables.

The data file contains several types of variables that are used for analytical and methodological applications. The list indicates the types of variables, the page of the test on which a discussion of the variable type begins, and the codebook pages on which the variables can be found.

Variable set	Text Discussion	Codebook pages
System variables (Includes ID)	Ch. 6, pp. 3–4	F-3
Household membership	Ch. 6, p. 4	F-3 to F-8
Questionnaire items	Ch. 6, p. 5	F-8 to F-65
Household characteristics	Ch. 6, p. 5	F-65 to F-68
Derived variables	Ch. 6, pp. 5–12	F-68 to F-74
Weights, PSU, and STRATUM	Ch. 6, p. 12	F-74 to F-88
Imputation flags	Ch. 6, pp. 12–13	F-88 to F-129

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NHES Electronic Codebook

Variable Name	: BASMID	ADULT CASE IDENTIFICATION
Record Number	: 1	
Position	: 1-12	
Format	: N12	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
100000180101-116734460101		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: ENUMID	SUBJECT ID NUMBER
Record Number	: 1	
Position	: 13-22	
Format	: N10	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1000001801-1167344601		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: MAINRSLT	RESULT CODE FOR EXTENDED
Record Number	: 1	
Position	: 23-24	
Format	: C2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
CP COMPLETE INTERVIEW, PARTICIPANT	CP	3,379	50.5	71,866,086	36.9
CU COMPLETE INTERVIEW, NONPARTICIPANT	CU	2,123	31.7	84,795,941	43.6
CX COMPLETE INTERVIEW, BECAME NONPARTIC	CX	575	8.6	13,003,591	6.7
CZ COMPLETE INTERVIEW, BECAME PARTIC	CZ	620	9.3	24,959,588	12.8
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: ENGLSPAN	EXTENDED IN ENGLISH OR SPANISH
Record Number	: 1	
Position	: 25-26	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 ENGLISH	1	6,502	97.1	188,174,772	96.7
2 SPANISH	2	195	2.9	6,450,436	3.3
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: AAGE98	ADULT'S AGE AS OF 12/31/98
Record Number	: 1	
Position	: 27-28	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
16-95	16-95	6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	SEX	ADULT'S GENDER
Record Number	:	1	
Position	:	29-30	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 MALE	1	2,868	42.8	93,137,145	47.9
2 FEMALE	2	3,829	57.2	101,488,062	52.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	AGE1	O/HH MEM-#1'S AGE AT SCREENER
Record Number	:	1	
Position	:	31-32	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-98	0-98	5,400	80.6	171,465,185	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	1,297	19.4	23,160,022	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	SEX1	O/HH MEM-#1'S GENDER AT SCREENER
Record Number	:	1	
Position	:	33-34	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 MALE	1	2,847	42.5	87,775,212	51.2
2 FEMALE	2	2,553	38.1	83,689,974	48.8
RESERVED CODE : -1 INAPPLICABLE	-1	1,297	19.4	23,160,022	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	AGE2	O/HH MEM-#2'S AGE AT SCREENER
Record Number	:	1	
Position	:	35-36	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-99	0-99	2,618	39.1	107,745,859	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	4,079	60.9	86,879,348	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	SEX2	O/HH MEM-#2'S GENDER AT SCREENER
Record Number	:	1	
Position	:	37-38	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 MALE	1	1,374	20.5	53,341,722	49.5
2 FEMALE	2	1,244	18.6	54,404,138	50.5
RESERVED CODE : -1 INAPPLICABLE	-1	4,079	60.9	86,879,348	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : AGE3   O/HH MEM-#3'S AGE AT SCREENER
Record Number : 1
Position : 39-40
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1-91	1-91	1,484	22.2	69,111,947	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	5,213	77.8	125,513,260	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SEX3   O/HH MEM-#3'S GENDER AT SCREENER
Record Number : 1
Position : 41-42
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 MALE	1	754	11.3	34,304,200	49.6
2 FEMALE	2	730	10.9	34,807,748	50.4
RESERVED CODE : -1 INAPPLICABLE	-1	5,213	77.8	125,513,260	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : AGE4   O/HH MEM-#4'S AGE AT SCREENER
Record Number : 1
Position : 43-44
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
5-84	5-84	582	8.7	29,521,842	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,115	91.3	165,103,365	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SEX4   O/HH MEM-#4'S GENDER AT SCREENER
Record Number : 1
Position : 45-46
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 MALE	1	328	4.9	15,753,081	53.4
2 FEMALE	2	254	3.8	13,768,761	46.6
RESERVED CODE : -1 INAPPLICABLE	-1	6,115	91.3	165,103,365	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : AGE5   O/HH MEM-#5'S AGE AT SCREENER
Record Number : 1
Position : 47-48
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
7-86	7-86	214	3.2	13,093,589	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,483	96.8	181,531,618	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SEX5   O/HH MEM-#5'S GENDER AT SCREENER
Record Number : 1
Position : 49-50
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 MALE	1	113	1.7	6,466,484	49.4
2 FEMALE	2	101	1.5	6,627,106	50.6
RESERVED CODE : -1 INAPPLICABLE	-1	6,483	96.8	181,531,618	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : AGE6   O/HH MEM-#6'S AGE AT SCREENER
Record Number : 1
Position : 51-52
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
8-89	8-89	86	1.3	5,488,269	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,611	98.7	189,136,938	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SEX6   O/HH MEM-#6'S GENDER AT SCREENER
Record Number : 1
Position : 53-54
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 MALE	1	40	0.6	2,312,313	42.1
2 FEMALE	2	46	0.7	3,175,956	57.9
RESERVED CODE : -1 INAPPLICABLE	-1	6,611	98.7	189,136,938	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : AGE7   O/HH MEM-#7'S AGE AT SCREENER
Record Number : 1
Position : 55-56
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
10-79	10-79	32	0.5	2,561,174	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,665	99.5	192,064,033	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SEX7   O/HH MEM-#7'S GENDER AT SCREENER
Record Number : 1
Position : 57-58
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 MALE	1	11	0.2	722,765	28.2
2 FEMALE	2	21	0.3	1,838,409	71.8
RESERVED CODE : -1 INAPPLICABLE	-1	6,665	99.5	192,064,033	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : AGE8   O/HH MEM-#8'S AGE AT SCREENER
Record Number : 1
Position : 59-60
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
11-95	11-95	16	0.2	1,432,311	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,681	99.8	193,192,896	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SEX8   O/HH MEM-#8'S GENDER AT SCREENER
Record Number : 1
Position : 61-62
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 MALE	1	2	0.0	94,034	6.6
2 FEMALE	2	14	0.2	1,338,277	93.4
RESERVED CODE : -1 INAPPLICABLE	-1	6,681	99.8	193,192,896	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : AGE9   O/HH MEM-#9'S AGE AT SCREENER
Record Number : 1
Position : 63-64
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
12-48	12-48	7	0.0	741,540	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,690	99.9	193,883,667	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SEX9   O/HH MEM-#9'S GENDER AT SCREENER
Record Number : 1
Position : 65-66
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 MALE	1	4	0.1	253,021	34.1
2 FEMALE	2	3	0.0	488,520	65.9
RESERVED CODE : -1 INAPPLICABLE	-1	6,690	99.9	193,883,667	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : AGE10   O/HH MEM-#10'S AGE AT SCREENER
Record Number : 1
Position : 67-68
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
13-48	13-48	5	0.0	617,639	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,692	99.9	194,007,568	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SEX10   O/HH MEM-#10'S GENDER AT SCREENER
Record Number : 1
Position : 69-70
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 MALE	1	2	0.0	61,329	9.9
2 FEMALE	2	3	0.0	556,309	90.1
RESERVED CODE : -1 INAPPLICABLE	-1	6,692	99.9	194,007,568	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : AGE11   O/HH MEM-#11'S AGE AT SCREENER
Record Number : 1
Position : 71-72
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
37-53	37-53	3	0.0	556,309	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,694	100.0	194,068,898	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SEX11   O/HH MEM-#11'S GENDER AT SCREENER
Record Number : 1
Position : 73-74
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 MALE	1	2	0.0	504,945	90.8
2 FEMALE	2	1	0.0	51,364	9.2
RESERVED CODE : -1 INAPPLICABLE	-1	6,694	100.0	194,068,898	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AA1. First, I have a few questions about your background and work experience. What is the highest grade or year of school that you completed?

Variable Name : IBGRADE   AA1-HIGHEST GRADE/YR OF SCHL COMPLETED
Record Number : 1
Position : 75-76
Format : N2
Comment : Previous NHES Surveys: 1996, AGRADE; 1995, IBGRADE; 1991, HIGHGRAD

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 UP TO 8TH GR	1	272	4.1	11,800,290	6.1
2 9TH-11TH GR	2	453	6.8	20,923,683	10.8
3 12TH GR/NO DIPL	3	183	2.7	6,298,928	3.2
4 HS DIPL/EQUIV	4	1,543	23.0	47,108,941	24.2
5 V/T AF HS/NO D	5	67	1.0	1,995,026	1.0
6 V/T AF HS/DIPL	6	145	2.2	4,324,059	2.2
7 COLL/NO DEGR	7	1,326	19.8	35,147,060	18.1
8 AA/AS	8	454	6.8	11,376,552	5.8
9 BA/BS	9	1,182	17.6	29,889,670	15.4
10 GRAD SCH/NO DEG	10	200	3.0	4,678,440	2.4
11 MA/MS	11	567	8.5	13,461,216	6.9
12 PHD/EDD	12	191	2.9	4,816,962	2.5
13 PROF DEG/AF BA	13	114	1.7	2,804,380	1.4
		6,697	**100.0%**	**194,625,207**	**100.0%**

AA1. **First, I have a few questions about your background and work experience. What is the highest grade or year of school that you completed?**

Variable Name	: IBGRAD1	AA1-ACTUAL GRADE 0-8 COMPLETED
Record Number	: 1	
Position	: 77-78	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, AGRAD1; 1995, IBGRAD1; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NO FORMAL SCHOOLING	0	13	0.2	454,121	3.8
1 1ST GR	1	3	0.0	62,851	0.5
2 2ND GR	2	8	0.1	253,838	2.2
3 3RD GR	3	17	0.3	612,941	5.2
4 4TH GR	4	13	0.2	529,176	4.5
5 5TH GR	5	19	0.3	880,350	7.5
6 6TH GR	6	67	1.0	2,921,868	24.8
7 7TH GR	7	40	0.6	1,833,698	15.5
8 8TH GR	8	92	1.4	4,251,446	36.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,425	95.9	182,824,917	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AA1. **First, I have a few questions about your background and work experience. What is the highest grade or year of school that you completed?**

Variable Name	: IBGRAD2	AA1-ACTUAL GRADE 9-11 COMPLETED
Record Number	: 1	
Position	: 79-80	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, AGRAD2; 1995, IBGRAD2; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
9 9TH GR	9	108	1.6	5,136,389	24.5
10 10TH GR	10	145	2.2	6,679,331	31.9
11 11TH GR	11	200	3.0	9,107,963	43.5
RESERVED CODE : -1 INAPPLICABLE	-1	6,244	93.2	173,701,524	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AA1OV. **Did you earn a vocational or technical diploma after leaving high school?**

Variable Name	: IBVOCDIP	AA1OV-RECEIVED VOC/TECH DIPLOMA
Record Number	: 1	
Position	: 81-82	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, IBVOCDIP; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	317	4.7	8,179,277	23.3
2 NO	2	1,009	15.1	26,967,783	76.7
RESERVED CODE : -1 INAPPLICABLE	-1	5,371	80.2	159,478,148	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AA2. **Do you have a high school diploma or its equivalent, such as a GED?**

Variable Name	: IBDIPL	AA2-HIGH SCHOOL DIPLOMA OR GED
Record Number	: 1	
Position	: 83-84	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, ADIPL; 1995, IBDIPL; 1991, HSDIPLMA	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	2,206	32.9	58,421,473	63.6
2 NO	2	694	10.4	33,444,125	36.4
RESERVED CODE : -1 INAPPLICABLE	-1	3,797	56.7	102,759,609	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AA2OV.   Did you receive your high school diploma or its equivalent in the U.S.?

Variable Name	**:**	IBUSDIPL	AA2OV-HIGH SCHOOL DIPLOMA IN U.S.		
Record Number	**:**	1			
Position	**:**	85-86			
Format	**:**	N2			
Comment	**:**	Previous NHES Surveys: 1996, N/A; 1995, IBUSDIPL; 1991, N/A			

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	2,105	31.4	55,737,121	95.4
2 NO	2	101	1.5	2,684,352	4.6
RESERVED CODE : -1 INAPPLICABLE	-1	4,491	67.1	136,203,734	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AA3.   Did you receive your high school diploma or its equivalent in the past 12 months?

Variable Name	**:**	IBDIPLYR	AA3-HS DIPL/EQUIV IN LAST 12 MONTHS		
Record Number	**:**	1			
Position	**:**	87-88			
Format	**:**	N2			
Comment	**:**	Previous NHES Surveys: 1996, N/A; 1995, IBDIPLYR; 1991, N/A			

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	181	2.7	5,851,362	5.5
2 NO	2	3,568	53.3	99,679,052	94.5
RESERVED CODE : -1 INAPPLICABLE	-1	2,948	44.0	89,094,793	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AA4.   Did you complete your high school requirements through a GED test?

Variable Name	**:**	IBGED	AA4-HIGH SCHOOL DIPLOMA THROUGH GED		
Record Number	**:**	1			
Position	**:**	89-90			
Format	**:**	N2			
Comment	**:**	Previous NHES Surveys: 1996, N/A; 1995, IBGED; 1991, N/A			

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	723	10.8	18,460,934	11.5
2 NO	2	5,280	78.8	142,720,148	88.5
RESERVED CODE : -1 INAPPLICABLE	-1	694	10.4	33,444,125	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AA5.   During the past week, did you work at a job for pay or income?

Variable Name	**:**	IBWORK	AA5-WORKED FOR PAY LAST WEEK		
Record Number	**:**	1			
Position	**:**	91-92			
Format	**:**	N2			
Comment	**:**	Previous NHES Surveys: 1996, AWORK; 1995, IBWORK; 1991, WORKWEEK			

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	4,476	66.8	128,295,145	65.9
2 NO	2	1,596	23.8	48,175,927	24.8
3 RETIRED	3	534	8.0	15,225,053	7.8
4 DISABLED/UNABLE TO WORK	4	91	1.4	2,929,082	1.5
		6,697	**100.0%**	**194,625,207**	**100.0%**

AA6. Were you on leave or vacation from a job during the past week?

Variable Name	: IBLEAVE	AA6-ON LEAVE OR VACATION LAST WEEK
Record Number	: 1	
Position	: 93-94	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, ALEAVE; 1995, IBLEAVE; 1991, VACATION	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	153	2.3	4,122,864	8.6
2 NO	2	1,443	21.5	44,053,064	91.4
RESERVED CODE : -1 INAPPLICABLE	-1	5,101	76.2	146,449,280	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AA7. Did you work at a job for pay or income at any time in the past 12 months?

Variable Name	: IBWORK12	AA7-WORK AT A JOB IN PAST 12 MONTHS
Record Number	: 1	
Position	: 95-96	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, IBWORK12; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	5,183	77.4	149,558,683	76.8
2 NO	2	1,514	22.6	45,066,524	23.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

AA8. About your language background, what was the first language you learned to speak?

Variable Name	: IBLANG	AA8-FIRST LANGUAGE LEARNED TO SPEAK
Record Number	: 1	
Position	: 97-98	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, ALANG; 1995, IBLANG; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 ENGLISH	1	5,781	86.3	167,139,247	85.9
2 SPANISH	2	458	6.8	13,627,661	7.0
3 ENGLISH/SPANISH EQUALLY	3	21	0.3	613,215	0.3
4 ENGLISH/OTHER LANGUAGE EQUALLY	4	16	0.2	226,031	0.1
91 ANOTHER LANGUAGE	91	421	6.3	13,019,054	6.7
		6,697	**100.0%**	**194,625,207**	**100.0%**

AA9. What language do you speak most at home now?

Variable Name	: IBSPEAK	AA9-LANGUAGE SPOKEN MOST AT HOME
Record Number	: 1	
Position	: 99-100	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, ASPEAK; 1995, IBSPEAK; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 ENGLISH	1	6,209	92.7	179,564,846	92.3
2 SPANISH	2	260	3.9	8,303,291	4.3
3 ENGLISH/SPANISH EQUALLY	3	77	1.1	2,157,125	1.1
4 ENGLISH/OTHER LANGUAGE EQUALLY	4	4	0.1	94,628	0.0
5 ENGLISH/1ST LANGUAGE EQUALLY	5	117	1.7	3,328,538	1.7
91 ANOTHER LANGUAGE	91	30	0.4	1,176,780	0.6
		6,697	**100.0%**	**194,625,207**	**100.0%**

AA10. How well do you read English? Would you say…

Variable Name	:	READENGL AA10-HOW WELL READS ENGLISH
Record Number	:	1
Position	:	101-102
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, READENGL; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 VERY WELL	1	151	2.3	3,767,863	25.0
2 WELL	2	141	2.1	4,110,127	27.3
3 NOT WELL	3	123	1.8	4,795,620	31.8
4 NOT AT ALL	4	73	1.1	2,386,751	15.8
RESERVED CODE : -1 INAPPLICABLE	-1	6,209	92.7	179,564,846	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AA11. How well do you write English? Would you say…

Variable Name	:	WRITENGL AA11-HOW WELL WRITES ENGLISH
Record Number	:	1
Position	:	103-104
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, WRITENGL; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 VERY WELL	1	122	1.8	3,036,807	20.2
2 WELL	2	133	2.0	3,683,314	24.5
3 NOT WELL	3	123	1.8	4,237,646	28.1
4 NOT AT ALL	4	110	1.6	4,102,594	27.2
RESERVED CODE : -1 INAPPLICABLE	-1	6,209	92.7	179,564,846	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB1. These first questions are about English as a second language only. Please do not include other classes here. During the past 12 months, did you have a tutor or take any classes to learn English as a second language?

Variable Name	:	ESLANG AB1-ESL CLASSES
Record Number	:	1
Position	:	105-106
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, ESLANG; 1991, FTENGLSH, OTENGL, ENGLISH

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	68	1.0	1,703,919	11.3
2 NO	2	420	6.3	13,356,442	88.7
RESERVED CODE : -1 INAPPLICABLE	-1	6,209	92.7	179,564,846	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB2. Was this ESL class a part of a college program?

Variable Name	:	ESCOLL AB2-ESL IS PART OF COLLEGE PROGRAM
Record Number	:	1
Position	:	107-108
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, ESCOLL; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	35	0.5	909,205	53.4
2 NO	2	33	0.5	794,714	46.6
RESERVED CODE : -1 INAPPLICABLE	-1	6,629	99.0	192,921,288	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB3. What was the main reason you took English as a second language classes?

Variable Name	:	ESREASON AB3-MAIN REASON FOR ESL CLASSES
Record Number	:	1
Position	:	109-110
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, ESREASON; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 IMPROVE,ADVANCE,KEEP UP ON CURRENT JOB	1	17	0.3	480,360	28.2
2 TRAIN FOR A NEW JOB OR NEW CAREER	2	6	0.1	144,722	8.5
3 IMPROVE BASIC READING,WRITING,MATH SKILL	3	8	0.1	174,498	10.2
4 MEET REQS FOR DIPLOMA,DEGREE,CERT OF COM	4	6	0.1	175,943	10.3
5 PERSONAL, FAMILY, OR SOCIAL REASON	5	13	0.2	252,885	14.8
6 IMPROVE COMMUNICATION SKILLS	6	18	0.3	475,511	27.9
RESERVED CODE : -1 INAPPLICABLE	-1	6,629	99.0	192,921,288	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB4. In the past 12 months, how many weeks did you attend ESL classes?

Variable Name	:	ESWHEN AB4-TIME SPENT IN ESL CLASSES
Record Number	:	1
Position	:	111-112
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, ESWHEN; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1-36	1-36	68	1.0	1,703,919	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,629	99.0	192,921,288	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB4. In the past 12 months, how many weeks did you attend ESL classes?

Variable Name	:	ESWHENUN AB4-UNIT OF TIME IN ESL CLASSES
Record Number	:	1
Position	:	113-114
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, ESWHENUN; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
2 WEEKS	2	41	0.6	1,132,916	66.5
3 MONTHS	3	20	0.3	445,886	26.2
4 SEMESTER	4	6	0.1	108,620	6.4
5 QUARTER	5	1	0.0	16,497	1.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,629	99.0	192,921,288	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB6. For about how many hours per week did you attend during the time you were going to ESL classes?

Variable Name	:	ESHRS AB6-HRS ATTENDED ESL CLASSES
Record Number	:	1
Position	:	115-116
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, ESHRS; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1-20	1-20	68	1.0	1,703,919	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,629	99.0	192,921,288	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB6. For about how many hours per week did you attend during the time you were going to ESL classes?

Variable Name	:	ESHRSUNT AB6-UNIT OF TIME ATTENDED ESL
Record Number	:	1
Position	:	117-118
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, ESHRSUNT; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 PER DAY	1	20	0.3	482,681	28.3
2 PER WEEK	2	48	0.7	1,221,238	71.7
RESERVED CODE : -1 INAPPLICABLE	-1	6,629	99.0	192,921,288	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB7. How many days per week was that?

Variable Name	:	ESDAYS AB7-DAYS/WK ATTENDED ESL CLASSES
Record Number	:	1
Position	:	119-120
Format	:	N2
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1	1	3	0.0	71,202	14.8
2	2	2	0.0	37,496	7.8
3	3	2	0.0	128,871	26.7
4	4	4	0.1	47,179	9.8
5	5	9	0.1	197,932	41.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,677	99.7	194,142,526	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB8. What type of school, organization, or business provided the instruction for your ESL classes?

Variable Name	:	ESPRTYP AB8-TYPE OF INSTRUCTION PROVIDER
Record Number	:	1
Position	:	121-122
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, ESPROVID/R, ESPROVTY; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 AN ELEMENTARY, JUNIOR, HIGH SCHOOL	1	16	0.2	367,545	46.2
3 PUBLIC 2-YR VOC OR TECH INSTITUTE	3	1	0.0	38,444	4.8
4 A 4-YEAR COLLEGE OR UNIVERSITY	4	2	0.0	69,451	8.7
5 PRIV VOC, TRADE, BUS, HOSP, FLIGHT SCH	5	5	0.1	76,503	9.6
6 ADULT LEARNING CENTER	6	4	0.1	133,554	16.8
7 BUSINESS OR INDUSTRY	7	1	0.0	16,079	2.0
9 FEDERAL, STATE, COUNTY, LOCAL GOVT AGY	9	1	0.0	10,321	1.3
11 PRIVATE COMMUNITY ORGANIZATION	11	1	0.0	34,419	4.3
12 CHURCH OR RELIGIOUS ORG	12	2	0.0	48,398	6.1
RESERVED CODE : -1 INAPPLICABLE	-1	6,664	99.5	193,830,493	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB9. Was the provider of your ESL classes also your employer?

Variable Name	:	ESPROVEM AB9-INSTRUCTION PROVIDER WAS EMPLOYER
Record Number	:	1
Position	:	123-124
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, ESPROVEM; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	3	0.0	90,612	18.9
2 NO	2	18	0.3	387,619	81.1
RESERVED CODE : -1 INAPPLICABLE	-1	6,676	99.7	194,146,976	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB10a. **Did your employer… a. Require you to take these classes?**

Variable Name	: ESEMPREQ	AB10A-EMPLOYER REQUIRED ESL CLASSES
Record Number	: 1	
Position	: 125-126	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, ESEMPREQ; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	4	0.1	115,514	24.2
2 NO	2	17	0.3	362,718	75.8
RESERVED CODE : -1 INAPPLICABLE	-1	6,676	99.7	194,146,976	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB10b. **Did your employer… b. Give you time off from work with or without pay?**

Variable Name	: ESEMPWP	AB10B-EMPLOYER GAVE TIME OFF W/WO PAY
Record Number	: 1	
Position	: 127-128	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, ESEMPWP; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	6	0.1	164,011	34.3
2 NO	2	15	0.2	314,221	65.7
RESERVED CODE : -1 INAPPLICABLE	-1	6,676	99.7	194,146,976	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB10c. **Did your employer… c. Provide classroom space?**

Variable Name	: ESEMPSPA	AB10C-EMPLOYER PROVIDED CLASSROOM SPACE
Record Number	: 1	
Position	: 129-130	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, ESEMPSPA; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	4	0.1	112,803	23.6
2 NO	2	17	0.3	365,429	76.4
RESERVED CODE : -1 INAPPLICABLE	-1	6,676	99.7	194,146,976	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB10d. **Did your employer… d. Pay all or part of the cost, including tuition, books, and supplies, and other costs like transportation?**

Variable Name	: ESEMPPAY	AB10D-EMPLOYER PAID ALL/PART OF COSTS
Record Number	: 1	
Position	: 131-132	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, ESEMPPAY; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	2	0.0	80,055	16.7
2 NO	2	19	0.3	398,176	83.3
RESERVED CODE : -1 INAPPLICABLE	-1	6,676	99.7	194,146,976	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB11. Was the employer who provided this support your (current/most recent) employer?

Variable Name	**:** ESCUREM	AB11-PROV OF SUPPORT CURRENT EMPLOYER
Record Number	**:** 1	
Position	**:** 133-134	
Format	**:** N2	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	6	0.1	155,350	81.8
2 NO	2	2	0.0	34,460	18.2
RESERVED CODE : -1 INAPPLICABLE	-1	6,689	99.9	194,435,397	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB12. Did you receive instruction for your ESL classes through distance education? Distance education is where instructor and students are not in the same location but communicate through technology, for example, video conferencing or computer technologies.

Variable Name	**:** ESDIST	AB12-ESL THRU DISTANCE EDUCATION
Record Number	**:** 1	
Position	**:** 135-136	
Format	**:** N2	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
2 NO	2	33	0.5	794,714	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,664	99.5	193,830,493	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB13. What types of technologies were used for the teacher and students to communicate? TELEVISION OR RADIO

Variable Name	**:** ESINTV	AB13-ESL CLASS THRU DIST ED-TV/RADIO
Record Number	**:** 1	
Position	**:** 137-138	
Format	**:** N2	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
RESERVED CODE : -1 INAPPLICABLE	-1	6,697	100.0	194,625,207	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB13. What types of technologies were used for the teacher and students to communicate? E-MAIL

Variable Name	**:** ESINEMA	AB13-ESL CLASS THRU DIST ED-E-MAIL
Record Number	**:** 1	
Position	**:** 139-140	
Format	**:** N2	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
RESERVED CODE : -1 INAPPLICABLE	-1	6,697	100.0	194,625,207	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB13. What types of technologies were used for the teacher and students to communicate? COMPUTER CONFERENCING

Variable Name	**:** ESINCOM	AB13-ESL CLASS THRU DIST ED-COM CONF
Record Number	**:** 1	
Position	**:** 141-142	
Format	**:** N2	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
RESERVED CODE : -1 INAPPLICABLE	-1	6,697	100.0	194,625,207	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB13. What types of technologies were used for the teacher and students to communicate? THE INTERNET, SUCH AS THE WORLD WIDE WEB

Variable Name	: ESINWWW	AB13-ESL CLASS THRU DIST ED-INTERNET
Record Number	: 1	
Position	: 143-144	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
RESERVED CODE : -1 INAPPLICABLE	-1	6,697	100.0	194,625,207	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB13. What types of technologies were used for the teacher and students to communicate? SATELLITE BROADCAST (1-WAY VIDEO, 2-WAY AUDIO)

Variable Name	: ESINSAT	AB13-ESL CLASS THRU DIST ED-SATELLITE
Record Number	: 1	
Position	: 145-146	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
RESERVED CODE : -1 INAPPLICABLE	-1	6,697	100.0	194,625,207	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB13. What types of technologies were used for the teacher and students to communicate? VIDEO CONFERENCING (2-WAY AUDIO AND VIDEO)

Variable Name	: ESINVID	AB13-ESL CLASS THRU DIST ED-VIDEO CONF
Record Number	: 1	
Position	: 147-148	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
RESERVED CODE : -1 INAPPLICABLE	-1	6,697	100.0	194,625,207	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB13. What types of technologies were used for the teacher and students to communicate? SOME OTHER WAY

Variable Name	: ESINOTH	AB13-ESL CLASS THRU DIST ED-OTHER
Record Number	: 1	
Position	: 149-150	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
RESERVED CODE : -1 INAPPLICABLE	-1	6,697	100.0	194,625,207	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AB14. Have you ever had a tutor to learn English or taken classes to learn English as a second language?

Variable Name	: ESEVER	AB14-EVER TAKEN ESL CLASSES
Record Number	: 1	
Position	: 151-152	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	140	2.1	4,343,652	32.5
2 NO	2	280	4.2	9,012,790	67.5
RESERVED CODE : -1 INAPPLICABLE	-1	6,277	93.7	181,268,765	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC1a. **(Not including regular daytime high school classes,) During the past 12 months, did you have a tutor or take any classes… a. To improve your basic reading, writing, and math skills?**

Variable Name	**:**	BSIMPROV AC1A-BASIC SKILLS CLASSES
Record Number	**:**	1
Position	**:**	153-154
Format	**:**	N2
Comment	**:**	Previous NHES Surveys: 1996, N/A; 1995, BSIMPROV; 1991, FTBASIC, OTBASIC, BASIC

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	85	1.3	2,811,598	6.7
2 NO	2	887	13.2	39,002,697	93.3
RESERVED CODE : -1 INAPPLICABLE	-1	5,725	85.5	152,810,912	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC1b. **(Not including regular daytime high school classes,) During the past 12 months, did you have a tutor or take any classes… b. To prepare to take the General Educational Development test, or GED?**

Variable Name	**:**	BSGED AC1B-GED PREPARATION CLASSES
Record Number	**:**	1
Position	**:**	155-156
Format	**:**	N2
Comment	**:**	Previous NHES Surveys: 1996, N/A; 1995, BSGED; 1991, FTGED, OTGED

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	78	1.2	2,824,584	6.8
2 NO	2	894	13.3	38,989,711	93.2
RESERVED CODE : -1 INAPPLICABLE	-1	5,725	85.5	152,810,912	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC1c. **(Not including regular daytime high school classes,) During the past 12 months, did you have a tutor or take any classes… c. In some other high school equivalency program or adult high school program?**

Variable Name	**:**	BSHSEQUV AC1C-OTHER HS EQUIVALENCY PROGRAM
Record Number	**:**	1
Position	**:**	157-158
Format	**:**	N2
Comment	**:**	Previous NHES Surveys: 1996, N/A; 1995, BSHSEQUV; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	47	0.7	1,553,552	3.7
2 NO	2	925	13.8	40,260,743	96.3
RESERVED CODE : -1 INAPPLICABLE	-1	5,725	85.5	152,810,912	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC2. **Earlier, I recorded that you got your high school diploma in the past 12 months and it was not a GED. Did you get a diploma through regular daytime high school?**

Variable Name	**:**	BSATDAY AC2-RECVED DIPLOMA THRU REG DAYTIME HS
Record Number	**:**	1
Position	**:**	159-160
Format	**:**	N2
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	114	1.7	4,028,542	87.8
2 NO	2	20	0.3	558,643	12.2
RESERVED CODE : -1 INAPPLICABLE	-1	6,563	98.0	190,038,022	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC3. **Were the basic skills or high school completion classes part of a family literacy program, such as Even Start or Head Start?**

Variable Name	**:** BSFMLIT	AC3-ABE/GED PART OF FAMILY LITERACY PRM			
Record Number	**:** 1				
Position	**:** 161-162				
Format	**:** N2				
Comment	**:**				

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	23	0.3	551,058	15.1
2 NO	2	84	1.3	3,091,441	84.9
RESERVED CODE : -1 INAPPLICABLE	-1	6,590	98.4	190,982,708	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC4. **What was the main reason you took basic skills or high school completion classes?**

Variable Name	**:** BSREASON	AC4-MAIN REASON FOR ABE/GED CLASSES			
Record Number	**:** 1				
Position	**:** 163-164				
Format	**:** N2				
Comment	**:** Previous NHES Surveys: 1996, N/A; 1995, BSREASON; 1991, N/A				

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 TO IMPROVE, ADVANCE ON CURRENT JOB	1	17	0.3	446,318	12.3
2 TO TRAIN FOR A NEW JOB OR CAREER	2	11	0.2	356,912	9.8
3 TO IMPROVE BASIC READING,WRITING,MATH	3	10	0.1	183,060	5.0
4 TO MEET REQ FOR H.S. DIPLOMA OR GED	4	35	0.5	1,457,154	40.0
5 A PERSONAL, FAMILY, SOCIAL REASON	5	16	0.2	563,180	15.5
6 TO MEET REQ FOR DEGR,DIPL,CERT OF COMP	6	15	0.2	461,783	12.7
91 SOME OTHER REASON	91	3	0.0	174,093	4.8
RESERVED CODE : -1 INAPPLICABLE	-1	6,590	98.4	190,982,708	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC5. **In the past 12 months, how many weeks did you attend basic skills or high school completion classes?**

Variable Name	**:** BSWHEN	AC5-TIME SPENT IN ABE/GED CLASSES			
Record Number	**:** 1				
Position	**:** 165-166				
Format	**:** N2				
Comment	**:** Previous NHES Surveys: 1996, N/A; 1995, BSWHEN; 1991, N/A				

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1-52	1-52	107	1.6	3,642,499	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,590	98.4	190,982,708	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC5. **In the past 12 months, how many weeks did you attend basic skills or high school completion classes?**

Variable Name	**:** BSWHENUN	AC5-UNIT OF TIME IN ABE/GED CLASSES			
Record Number	**:** 1				
Position	**:** 167-168				
Format	**:** N2				
Comment	**:** Previous NHES Surveys: 1996, N/A; 1995, BSWHENUN; 1991, N/A				

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 DAYS	1	4	0.1	76,699	2.1
2 WEEKS	2	69	1.0	2,801,701	76.9
3 MONTHS	3	31	0.5	736,378	20.2
4 SEMESTER	4	2	0.0	22,502	0.6
5 QUARTER	5	1	0.0	5,218	0.1
RESERVED CODE : -1 INAPPLICABLE	-1	6,590	98.4	190,982,708	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC6. How many weeks (did you attend basic skills or high school completion classes/was that)?

Variable Name	**:**	BSWKS	AC6-HOW MANY WEEKS IN ABE/GED CLASSES
Record Number	**:**	1	
Position	**:**	169-170	
Format	**:**	N2	
Comment	**:**	Previous NHES Surveys: 1996, N/A; 1995, BSWKS; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1	1	4	0.1	76,699	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,693	99.9	194,548,508	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC7. For about how many hours per week did you attend during the time you were going to the classes?

Variable Name	**:**	BSHRS	AC7-HRS ATTENDED ABE/GED CLASSES
Record Number	**:**	1	
Position	**:**	171-172	
Format	**:**	N2	
Comment	**:**	Previous NHES Surveys: 1996, N/A; 1995, BSHRS; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1-36	1-36	107	1.6	3,642,499	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,590	98.4	190,982,708	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC7. For about how many hours per week did you attend during the time you were going to the classes?

Variable Name	**:**	BSHRSUNT	AC7-UNIT FOR HOURS ATTENDED ABE/GED
Record Number	**:**	1	
Position	**:**	173-174	
Format	**:**	N2	
Comment	**:**	Previous NHES Surveys: 1996, N/A; 1995, BSHRSUNT; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 PER DAY	1	36	0.5	1,174,466	32.2
2 PER WEEK	2	71	1.1	2,468,033	67.8
RESERVED CODE : -1 INAPPLICABLE	-1	6,590	98.4	190,982,708	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC8. How many days per week was that?

Variable Name	**:**	BSDAYS	AC8-DAYS/WK ATTENDED ABE/GED CLASSES
Record Number	**:**	1	
Position	**:**	175-176	
Format	**:**	N2	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1	1	2	0.0	88,896	7.6
2	2	5	0.1	149,957	12.8
3	3	5	0.1	189,720	16.2
4	4	8	0.1	340,377	29.0
5	5	16	0.2	405,516	34.5
RESERVED CODE : -1 INAPPLICABLE	-1	6,661	99.5	193,450,741	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC9. **What type of school, organization, or business provided the instruction for your basic skills or high school completion classes?**

Variable Name	:	BSPRTYP AC9-TYPE OF INSTRUCTION PROVIDER
Record Number	:	1
Position	:	177-178
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, BSPROVID/R, BSPROVTY; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 ELEMENTARY, JUNIOR HIGH OR HIGH SCHOOL	1	27	0.4	1,246,469	34.2
2 A 2-YEAR COMMUNITY OR JUNIOR COLLEGE	2	21	0.3	551,374	15.1
3 A 2-YEAR VOCATIONAL OR TECHNICAL INST	3	5	0.1	174,236	4.8
4 A 4-YEAR COLLEGE OR UNIVERSITY	4	1	0.0	24,561	0.7
5 A PRIVATE VOCATIONAL, TRADE.. SCHOOL	5	7	0.1	127,410	3.5
6 AN ADULT LEARNING CENTER	6	15	0.2	416,254	11.4
7 A BUSINESS OR INDUSTRY	7	3	0.0	177,775	4.9
9 A FEDERAL STATE COUNTY OR LOCAL GOVT AG	9	11	0.2	544,163	14.9
10 A PUBLIC LIBRARY	10	4	0.1	43,290	1.2
11 A PRIVATE COMMUNITY ORGANIZATION	11	5	0.1	112,746	3.1
12 A CHURCH OR RELIGIOUS ORGANIZATION	12	1	0.0	35,809	1.0
13 A TUTOR OR PRIVATE INSTRUCTOR	13	2	0.0	35,680	1.0
91 SOME OTHER SCHOOL OR ORGANIZATION	91	5	0.1	152,732	4.2
RESERVED CODE : -1 INAPPLICABLE	-1	6,590	98.4	190,982,708	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC10. **Was the provider of your basic skills or high school completion classes also your employer?**

Variable Name	:	BSPROVEM AC10-INSTRUCTION PROVIDER WAS EMPLOYER
Record Number	:	1
Position	:	179-180
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, BSPROVEM; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	10	0.1	386,261	13.8
2 NO	2	70	1.0	2,410,540	86.2
RESERVED CODE : -1 INAPPLICABLE	-1	6,617	98.8	191,828,407	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC11a. **Did your employer… a. Require you to take these classes?**

Variable Name	:	BSEMPREQ AC11A-EMPLOYER REQUIRED ABE/GED CLASSES
Record Number	:	1
Position	:	181-182
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, BSEMPREQ; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	7	0.1	224,342	8.0
2 NO	2	73	1.1	2,572,458	92.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,617	98.8	191,828,407	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC11b. **Did your employer… b. Give you time off from work with or without pay?**

Variable Name	:	BSEMPWP AC11B-EMPLOYER GAVE TIME OFF W/WO PAY
Record Number	:	1
Position	:	183-184
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, BSEMPWP; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	14	0.2	448,225	16.0
2 NO	2	66	1.0	2,348,576	84.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,617	98.8	191,828,407	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC11c.   Did your employer… c. Provide classroom space?

Variable Name : BSEMPSPA   AC11C-EMPLOYER PROVIDED CLASSROOM SPACE
Record Number : 1
Position : 185-186
Format : N2
Comment : Previous NHES Surveys: 1996, N/A; 1995, BSEMPSPA; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	12	0.2	403,496	14.4
2 NO	2	68	1.0	2,393,304	85.6
RESERVED CODE : -1 INAPPLICABLE	-1	6,617	98.8	191,828,407	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC11d.   Did your employer… d. Pay all or part of the cost, including tuition, books, and supplies, and other costs like transportation?

Variable Name : BSEMPPAY   AC11D-EMPLOYER PAID ALL/PART OF COSTS
Record Number : 1
Position : 187-188
Format : N2
Comment : Previous NHES Surveys: 1996, N/A; 1995, BSEMPPAY; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	10	0.1	434,483	15.5
2 NO	2	70	1.0	2,362,318	84.5
RESERVED CODE : -1 INAPPLICABLE	-1	6,617	98.8	191,828,407	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC12.   Was the employer who provided this support your (current/most recent) employer?

Variable Name : BSCUREM   AC12-PROV OF SUPPORT CURRENT EMPLOYER
Record Number : 1
Position : 189-190
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	11	0.2	356,759	49.5
2 NO	2	9	0.1	363,396	50.5
RESERVED CODE : -1 INAPPLICABLE	-1	6,677	99.7	193,905,052	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC13.   Did you receive instruction for basic skills or high school completion classes through distance education?

Variable Name : BSDIST   AC13-ABE/GED THRU DISTANCE EDUCATION
Record Number : 1
Position : 191-192
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	7	0.1	233,755	6.4
2 NO	2	100	1.5	3,408,744	93.6
RESERVED CODE : -1 INAPPLICABLE	-1	6,590	98.4	190,982,708	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC14. What types of technologies were used for the teacher and students to communicate? TELEVISION OR RADIO

Variable Name	: BSINTV	AC14-ABE/GED THRU DIST ED-TV/RADIO
Record Number	: 1	
Position	: 193-194	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	2	0.0	66,362	28.4
2 NO	2	5	0.1	167,393	71.6
RESERVED CODE : -1 INAPPLICABLE	-1	6,690	99.9	194,391,452	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC14. What types of technologies were used for the teacher and students to communicate? E-MAIL

Variable Name	: BSINEMA	AC14-ABE/GED THRU DIST ED-E-MAIL
Record Number	: 1	
Position	: 195-196	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	2	0.0	55,410	23.7
2 NO	2	5	0.1	178,345	76.3
RESERVED CODE : -1 INAPPLICABLE	-1	6,690	99.9	194,391,452	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC14. What types of technologies were used for the teacher and students to communicate? COMPUTER CONFERENCING

Variable Name	: BSINCOM	AC14-ABE/GED THRU DIST ED-COM CONF
Record Number	: 1	
Position	: 197-198	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	2	0.0	35,886	15.4
2 NO	2	5	0.1	197,869	84.6
RESERVED CODE : -1 INAPPLICABLE	-1	6,690	99.9	194,391,452	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC14. What types of technologies were used for the teacher and students to communicate? THE INTERNET, SUCH AS THE WORLD WIDE WEB

Variable Name	: BSINWWW	AC14-ABE/GED THRU DIST ED-INTERNET
Record Number	: 1	
Position	: 199-200	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	1	0.0	12,548	5.4
2 NO	2	6	0.1	221,208	94.6
RESERVED CODE : -1 INAPPLICABLE	-1	6,690	99.9	194,391,452	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC14. **What types of technologies were used for the teacher and students to communicate? SATELLITE BROADCAST (1-WAY VIDEO, 2-WAY AUDIO)**

Variable Name : BSINSAT   AC14-ABE/GED THRU DIST ED-SATELLITE
Record Number : 1
Position : 201-202
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	1	0.0	3,873	1.7
2 NO	2	6	0.1	229,882	98.3
RESERVED CODE : -1 INAPPLICABLE	-1	6,690	99.9	194,391,452	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC14. **What types of technologies were used for the teacher and students to communicate? VIDEO CONFERENCING (2-WAY AUDIO AND VIDEO)**

Variable Name : BSINVID   AC14-ABE/GED THRU DIST ED-VIDEO CONF
Record Number : 1
Position : 203-204
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
2 NO	2	7	0.1	233,755	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,690	99.9	194,391,452	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC14. **What types of technologies were used for the teacher and students to communicate? SOME OTHER WAY**

Variable Name : BSINOTH   AC14-ABE/GED THRU DIST ED-OTHER
Record Number : 1
Position : 205-206
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	2	0.0	118,959	50.9
2 NO	2	5	0.1	114,796	49.1
RESERVED CODE : -1 INAPPLICABLE	-1	6,690	99.9	194,391,452	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AC15. **Have you ever taken basic skills or high school completion classes?**

Variable Name : BSEVER   AC15-EVER TAKEN ABE/GED CLASSES
Record Number : 1
Position : 207-208
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	72	1.1	3,655,160	10.7
2 NO	2	679	10.1	30,488,094	89.3
RESERVED CODE : -1 INAPPLICABLE	-1	5,946	88.8	160,481,953	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD1a. **(Not including the classes you told us about earlier,) During the past 12 months, did you take any courses that are part of a program leading toward... a. A college or university degree, such as an associate's, bachelor's, or graduate degree?**

Variable Name	**:**	CRDEGREE	AD1A-COLLEGE OR UNIVERSITY PROGRAM
Record Number	**:**	1	
Position	**:**	209-210	
Format	**:**	N2	
Comment	**:**	Previous NHES Surveys: 1996, N/A; 1995, CRDEGREE; 1991, FTASSOC, FTBACHLR	

Response	**Codes**	**Frequency**	**Percent**	**Weighted Frequency**	**Weighted Percent**
1 YES	1	1,103	16.5	24,267,843	12.5
2 NO	2	5,594	83.5	170,357,364	87.5
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD1b. **(Not including the classes you told us about earlier,) During the past 12 months, did you take any courses that are part of a program leading toward... b. A diploma or certificate from a vocational or technical school after high school or a formal vocational training program**

Variable Name	**:**	CRVOCDIP	AD1B-VOC/TECH PROGRAM
Record Number	**:**	1	
Position	**:**	211-212	
Format	**:**	N2	
Comment	**:**	Previous NHES Surveys: 1996, N/A; 1995, CRVOCDIP; 1991, FTVOCA	

Response	**Codes**	**Frequency**	**Percent**	**Weighted Frequency**	**Weighted Percent**
1 YES	1	503	7.5	11,597,903	6.0
2 NO	2	6,194	92.5	183,027,304	94.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD2. **In what (type/types) of degree, diploma, or certificate program were you working? VOC/TECH DIPLOMA AFTER HIGH SCHOOL, BUT BELOW BACHELOR'S DEGREE**

Variable Name	**:**	CRTYVOC	AD2-TYPE OF PRGM-VOC/TECH DIPLOMA
Record Number	**:**	1	
Position	**:**	213-214	
Format	**:**	N2	
Comment	**:**	Previous NHES Surveys: 1996, N/A; 1995, CRDIPLO1-3; 1991, N/A	

Response	**Codes**	**Frequency**	**Percent**	**Weighted Frequency**	**Weighted Percent**
0 NONE	0	1,186	17.7	25,924,380	80.3
1 ONE PRGM	1	248	3.7	6,293,300	19.5
2 TWO PRGMS	2	3	0.0	85,848	0.3
RESERVED CODE : -1 NO CRED PRGM	-1	5,260	78.5	162,321,679	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD2. **In what (type/types) of degree, diploma, or certificate program were you working? ASSOCIATE'S DEGREE (AA, AS)**

Variable Name	**:**	CRTYASC	AD2-TYPE OF PRGM-ASSOCIATE'S DEGREE
Record Number	**:**	1	
Position	**:**	215-216	
Format	**:**	N2	
Comment	**:**	Previous NHES Surveys: 1996, N/A; 1995, CRDIPLO1-3; 1991, PTDEGREE	

Response	**Codes**	**Frequency**	**Percent**	**Weighted Frequency**	**Weighted Percent**
0 NONE	0	1,166	17.4	26,822,913	83.0
1 ONE PRGM	1	270	4.0	5,471,833	16.9
2 TWO PRGMS	2	1	0.0	8,782	0.0
RESERVED CODE : -1 NO CRED PRGM	-1	5,260	78.5	162,321,679	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD2. **In what (type/types) of degree, diploma, or certificate program were you working? BACHELOR'S DEGREE (BA, BS)**

Variable Name	: CRTYBCH	AD2-TYPE OF PRGM-BACHELOR'S DEGREE
Record Number	: 1	
Position	: 217-218	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, CRDIPLO1-3; 1991, PTDEGREE	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NONE	0	947	14.1	20,709,209	64.1
1 ONE PRGM	1	486	7.3	11,509,292	35.6
2 TWO PRGMS	2	4	0.1	85,027	0.3
RESERVED CODE : -1 NO CRED PRGM	-1	5,260	78.5	162,321,679	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD2. **In what (type/types) of degree, diploma, or certificate program were you working? MASTER'S DEGREE (MA, MS)**

Variable Name	: CRTYMAS	AD2-TYPE OF PRGM-MASTER'S DEGREE
Record Number	: 1	
Position	: 219-220	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, CRDIPLO1-3; 1991, PTDEGREE	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NONE	0	1,224	18.3	27,986,675	86.6
1 ONE PRGM	1	213	3.2	4,316,853	13.4
RESERVED CODE : -1 NO CRED PRGM	-1	5,260	78.5	162,321,679	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD2. **In what (type/types) of degree, diploma, or certificate program were you working? DOCTORATE (PHD, EDD)**

Variable Name	: CRTYDOC	AD2-TYPE OF PRGM-DOCTORATE
Record Number	: 1	
Position	: 221-222	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, CRDIPLO1-3; 1991, PTDEGREE	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NONE	0	1,388	20.7	31,272,675	96.8
1 ONE PRGM	1	49	0.7	1,030,853	3.2
RESERVED CODE : -1 NO CRED PRGM	-1	5,260	78.5	162,321,679	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD2. **In what (type/types) of degree, diploma, or certificate program were you working? PROFESSIONAL DEGREE BEYOND BACHELOR'S DEGREE (MD; DDS; JD/LLB; ETC.)**

Variable Name	: CRTYPRF	AD2-TYPE OF PRGM-PROFESSIONAL DEGREE
Record Number	: 1	
Position	: 223-224	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, CRDIPLO1-3; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NONE	0	1,362	20.3	30,702,113	95.0
1 ONE PRGM	1	75	1.1	1,601,415	5.0
RESERVED CODE : -1 NO CRED PRGM	-1	5,260	78.5	162,321,679	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD2. In what (type/types) of degree, diploma, or certificate program were you working? ANOTHER DEGREE

Variable Name	**:** CRTYOTH	AD2-TYPE OF PRGM-ANOTHER DEGREE		
Record Number	**:** 1			
Position	**:** 225-226			
Format	**:** N2			
Comment	**:** Previous NHES Surveys: 1996, N/A; 1995, CRDIPLO1-3; 1991, PTDEGREE			

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NONE	0	1,258	18.8	28,494,144	88.2
1 ONE PRGM	1	176	2.6	3,751,444	11.6
2 TWO PRGMS	2	1	0.0	13,622	0.0
3 THREE PRGMS	3	1	0.0	36,425	0.1
4 FOUR PRGMS	4	1	0.0	7,893	0.0
RESERVED CODE : -1 NO CRED PRGM	-1	5,260	78.5	162,321,679	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** HIGHCRED	HIGHEST CREDENTIAL PROGRAM AT AD2		
Record Number	**:** 1			
Position	**:** 227-228			
Format	**:** N2			
Comment	**:**			

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 VOC/TECH DIPL	1	228	3.4	5,975,906	18.5
2 ASSOC DEGR	2	250	3.7	5,028,755	15.6
3 BACH DEGR	3	473	7.1	11,168,985	34.6
4 MAST DEGR	4	205	3.1	4,128,684	12.8
5 DOCTORATE	5	47	0.7	981,711	3.0
6 PROF DEGR	6	75	1.1	1,601,415	5.0
91 OTHER	91	159	2.4	3,418,072	10.6
RESERVED CODE : -1 INAPPLICABLE	-1	5,260	78.5	162,321,679	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: CIPF	MAJOR FIELD OF STUDY CODE
Record Number	: 1	
Position	: 229-230	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 AGRI BUSINESS & PRODUCTION	1	3	0.0	153,607	0.5
2 AGRI SCIENCES	2	8	0.1	145,306	0.4
3 NATURAL RESOURCES	3	3	0.0	50,820	0.2
4 ARCHITECTURE	4	10	0.1	167,073	0.5
5 AREA/ETHNIC/CULT	5	2	0.0	24,922	0.1
8 BUSINESS	8	15	0.2	423,409	1.3
9 COMMUNICATIONS	9	26	0.4	550,863	1.7
10 COMM TECHNOLOGIES	10	1	0.0	5,411	0.0
11 COMPUTER & INFORMATION SCI	11	60	0.9	1,370,152	4.2
12 PERSONAL SERVICES	12	20	0.3	369,946	1.1
13 EDUCATION	13	130	1.9	2,539,834	7.9
14 ENGINEERING	14	44	0.7	978,295	3.0
15 ENGI TECHNOLOGIES	15	85	1.3	2,029,928	6.3
16 FOREIGN LANGUAGES	16	6	0.1	90,417	0.3
19 HOME ECONOMICS	19	15	0.2	310,179	1.0
20 VOC HOME ECONOMICS	20	8	0.1	148,575	0.5
22 LAW/LEGAL STUDIES	22	34	0.5	641,042	2.0
23 ENGLISH LANGUAGE	23	34	0.5	962,043	3.0
24 LIBERAL ARTS	24	24	0.4	370,155	1.1
25 LIBRARY SCIENCES	25	4	0.1	151,527	0.5
26 BIO SCIENCES	26	40	0.6	783,455	2.4
27 MATHEMATICS	27	15	0.2	471,795	1.5
29 MIL TECHNOLOGIES	29	1	0.0	43,248	0.1
30 MULTI STUDIES	30	1	0.0	30,833	0.1
31 PARKS/RECR STIDIES	31	8	0.1	132,497	0.4
32 BASIC SKILLS	32	6	0.1	145,920	0.5
34 HEALTH-RELATED	34	3	0.0	124,091	0.4
36 LEISURE ACTIVITIES	36	15	0.2	326,539	1.0
38 PHILO & RELIGION	38	4	0.1	33,598	0.1
39 THEOLOGICAL STUDIES	39	9	0.1	316,336	1.0
40 PHYSICAL SCIENCES	40	25	0.4	676,301	2.1
41 SCIENCE TECH	41	2	0.0	78,670	0.2
42 PSYCHOLOGY	42	57	0.9	1,208,599	3.7
43 PROTECTIVE SERVICES	43	43	0.6	1,057,359	3.3
44 PUBLIC ADMINIST	44	14	0.2	282,689	0.9
45 SOCIAL SCIENCES	45	47	0.7	976,655	3.0
46 CONSTRUCTION	46	12	0.2	410,924	1.3
47 MECHANICS/REPAIRERS	47	18	0.3	462,112	1.4
48 PRECISION PROD	48	21	0.3	523,220	1.6
49 TRANSPORTATION	49	10	0.1	197,718	0.6
50 VISUAL/PERFORM ARTS	50	53	0.8	1,293,598	4.0
51 HEALTH PROFESSIONS	51	181	2.7	3,844,725	11.9
52 BUSINESS MANAGEMENT	52	251	3.7	5,349,509	16.6
91 INDETERMINABLE	91	69	1.0	2,049,630	6.3
RESERVED CODE : -1 INAPPLICABLE	-1	5,260	78.5	162,321,679	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD4. **What was the main reason you were working on the (HIGHEST DEGREE) program?**

Variable Name	**:**	CRREASON AD4-MAIN REASON FOR CRED PROGRAM
Record Number	**:**	1
Position	**:**	231-232
Format	**:**	N2
Comment	**:**	Previous NHES Surveys: 1996, N/A; 1995, CRREASO1-3; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 TO IMPROVE, ADVANCE ON CURRENT JOB	1	412	6.2	9,424,923	29.2
2 TO TRAIN FOR A NEW JOB OR CAREER	2	570	8.5	12,984,614	40.2
3 TO IMPROVE BASIC READING,WRITING,MATH	3	8	0.1	252,324	0.8
4 TO MEET REQ FOR DEGR,DIPL,CERT OF COMP	4	209	3.1	4,487,279	13.9
5 A PERSONAL, FAMILY, SOCIAL REASON	5	178	2.7	3,781,602	11.7
91 SOME OTHER REASON	91	60	0.9	1,372,785	4.2
RESERVED CODE : -1 INAPPLICABLE	-1	5,260	78.5	162,321,679	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD5. **What type of school, organization, or business provided the instruction for your (HIGHEST DEGREE) program?**

Variable Name	**:**	CRPRTYP AD5-TYPE OF INSTRUCTION PROVIDER
Record Number	**:**	1
Position	**:**	233-234
Format	**:**	N2
Comment	**:**	Previous NHES Surveys: 1996, N/A; 1995, CR1PRTYP-CR3PRTYP; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 ELEMENTARY/JR HIGH/HIGH SCHOOL	1	16	0.2	371,190	1.1
2 A 2-YR COMMUNITY OR JUNIOR COLLEGE	2	305	4.6	6,478,437	20.1
3 PUBLIC 2-YR VOC SCHOOL OR TRADE INST	3	81	1.2	1,691,292	5.2
4 A 4-YR COLLEGE OR UNIVERSITY	4	728	10.9	15,992,040	49.5
5 PRIV VOC, TRADE, BUSINESS, HOSP, FLIGHT	5	105	1.6	2,685,899	8.3
6 ADULT LEARNING CENTER	6	14	0.2	330,306	1.0
7 BUSINESS OR INDUSTRY	7	72	1.1	1,452,979	4.5
8 PROFESSIONAL ASSOCIATION-LABOR ORG	8	18	0.3	483,267	1.5
9 FED, STATE, COUNTY, LOCAL GOVT AGENCY	9	47	0.7	1,406,777	4.4
11 PRIVATE COMMUNITY ORG	11	13	0.2	376,015	1.2
12 CHURCH OR RELIGIOUS ORGANIZATION	12	4	0.1	135,904	0.4
13 TUTOR OR PRIVATE INSTRUCTOR	13	2	0.0	39,427	0.1
91 SOME OTHER ORGANIZATION	91	32	0.5	859,995	2.7
RESERVED CODE : -1 INAPPLICABLE	-1	5,260	78.5	162,321,679	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD6. **Was (the 2-year college/4-year college or university) a public or private institution?**

Variable Name	**:**	CRPBPR AD6-PUBLIC OR PRIVATE COLLEGE/UNIV
Record Number	**:**	1
Position	**:**	235-236
Format	**:**	N2
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 PUBLIC	1	820	12.2	17,477,956	77.8
2 PRIVATE	2	213	3.2	4,992,521	22.2
RESERVED CODE : -1 INAPPLICABLE	-1	5,664	84.6	172,154,731	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD7.   Was the provider of your (HIGHEST DEGREE) program also your employer?

Variable Name : CRPROVEM   AD7-INSTRUCTION PROVIDER WAS EMPLOYER
Record Number : 1
Position : 237-238
Format : N2
Comment : Previous NHES Surveys: 1996, N/A; 1995, CR1PREMP-CR3PREMP; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	250	3.7	5,613,062	18.8
2 NO	2	1,069	16.0	24,321,903	81.2
RESERVED CODE : -1 INAPPLICABLE	-1	5,378	80.3	164,690,242	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD8a.   (For any of these programs leading toward a college degree or vocational diploma,) Did your employer… a. Require you to take (the program/any of the programs)?

Variable Name : CREMPREQ   AD8A-EMPLOYER REQUIRED CRED PROGRAM
Record Number : 1
Position : 239-240
Format : N2
Comment : Previous NHES Surveys: 1996, N/A; 1995, CR1EMREQ-CR3EMREQ; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	157	2.3	3,432,846	11.5
2 NO	2	1,162	17.4	26,502,119	88.5
RESERVED CODE : -1 INAPPLICABLE	-1	5,378	80.3	164,690,242	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD8b.   (For any of these programs leading toward a college degree or vocational diploma,) Did your employer… b. Give you time off from work with or without pay?

Variable Name : CREMPWP   AD8B-EMPLOYER GAVE TIME OFF W/WO PAY
Record Number : 1
Position : 241-242
Format : N2
Comment : Previous NHES Surveys: 1996, N/A; 1995, CR1EMPWP-CR3EMPWP; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	443	6.6	10,883,135	36.4
2 NO	2	876	13.1	19,051,830	63.6
RESERVED CODE : -1 INAPPLICABLE	-1	5,378	80.3	164,690,242	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD8c.   (For any of these programs leading toward a college degree or vocational diploma,) Did your employer… c. Provide classroom space?

Variable Name : CREMPSPA   AD8C-EMPLOYER PROVIDED CLASSROOM SPACE
Record Number : 1
Position : 243-244
Format : N2
Comment : Previous NHES Surveys: 1996, N/A; 1995, CR1EMPSPA-CR3EMPSPA; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	252	3.8	5,818,817	19.4
2 NO	2	1,067	15.9	24,116,148	80.6
RESERVED CODE : -1 INAPPLICABLE	-1	5,378	80.3	164,690,242	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD8d. **(For any of these programs leading toward a college degree or vocational diploma,) Did your employer... d. Pay all or part of the cost, including tuition, books, and supplies, and other costs like transportation?**

Variable Name	:	CREMPPAY	AD8D-EMPLOYER PAID ALL/PART OF COSTS	
Record Number	:	1		
Position	:	245-246		
Format	:	N2		
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, CR1EMPAY-CR3EMPAY; 1991, N/A		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	422	6.3	9,340,331	31.2
2 NO	2	897	13.4	20,594,634	68.8
RESERVED CODE : -1 INAPPLICABLE	-1	5,378	80.3	164,690,242	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD9. **Was the employer who provided this support your (current/most recent) employer?**

Variable Name	:	CRCUREM	AD9-PROV OF SUPPORT CURRENT EMPLOYER	
Record Number	:	1		
Position	:	247-248		
Format	:	N2		
Comment	:			

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	542	8.1	12,724,936	76.7
2 NO	2	167	2.5	3,873,596	23.3
RESERVED CODE : -1 INAPPLICABLE	-1	5,988	89.4	178,026,676	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD10. **In the past 12 months, were you a part-time student, full-time student, or both?**

Variable Name	:	CRPTFT	AD10-PART-TIME OR FULL-TIME STUDENT	
Record Number	:	1		
Position	:	249-250		
Format	:	N2		
Comment	:			

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 FULL-TIME ONLY	1	622	9.3	14,019,415	43.4
2 PART-TIME ONLY	2	697	10.4	15,741,533	48.7
3 BOTH	3	118	1.8	2,542,580	7.9
RESERVED CODE : -1 INAPPLICABLE	-1	5,260	78.5	162,321,679	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD11. **Did you receive instruction for any of these classes or courses through distance education?**

Variable Name	:	CRDIST	AD11-CRED PRGM THRU DISTANCE EDUCATION	
Record Number	:	1		
Position	:	251-252		
Format	:	N2		
Comment	:			

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	133	2.0	3,064,267	9.5
2 NO	2	1,304	19.5	29,239,261	90.5
RESERVED CODE : -1 INAPPLICABLE	-1	5,260	78.5	162,321,679	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD12. What types of technologies were used for the teacher and students to communicate? TELEVISION OR RADIO

Variable Name	: CRINTV	AD12-CRED PRGM THRU DIST ED-TV/RADIO
Record Number	: 1	
Position	: 253-254	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	23	0.3	626,662	20.5
2 NO	2	110	1.6	2,437,605	79.5
RESERVED CODE : -1 INAPPLICABLE	-1	6,564	98.0	191,560,940	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD12. What types of technologies were used for the teacher and students to communicate? E-MAIL

Variable Name	: CRINEMA	AD12-CRED PRGM THRU DIST ED-E-MAIL
Record Number	: 1	
Position	: 255-256	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	33	0.5	750,373	24.5
2 NO	2	100	1.5	2,313,894	75.5
RESERVED CODE : -1 INAPPLICABLE	-1	6,564	98.0	191,560,940	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD12. What types of technologies were used for the teacher and students to communicate? COMPUTER CONFERENCING

Variable Name	: CRINCOM	AD12-CRED PRGM THRU DIST ED-COMP/CON
Record Number	: 1	
Position	: 257-258	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	31	0.5	659,148	21.5
2 NO	2	102	1.5	2,405,119	78.5
RESERVED CODE : -1 INAPPLICABLE	-1	6,564	98.0	191,560,940	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD12. What types of technologies were used for the teacher and students to communicate? THE INTERNET, SUCH AS THE WORLD WIDE WEB

Variable Name	: CRINWWW	AD12-CRED PRGM THRU DIST ED-INTERNET
Record Number	: 1	
Position	: 259-260	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	37	0.6	903,382	29.5
2 NO	2	96	1.4	2,160,886	70.5
RESERVED CODE : -1 INAPPLICABLE	-1	6,564	98.0	191,560,940	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD12. What types of technologies were used for the teacher and students to communicate? SATELLITE BROADCAST (1-WAY VIDEO, 2-WAY AUDIO)

Variable Name	:	CRINSAT	AD12-CRED PRGM THRU DIST ED-SATELLITE
Record Number	:	1	
Position	:	261-262	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	13	0.2	271,485	8.9
2 NO	2	120	1.8	2,792,782	91.1
RESERVED CODE : -1 INAPPLICABLE	-1	6,564	98.0	191,560,940	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD12. What types of technologies were used for the teacher and students to communicate? VIDEO CONFERENCING (2-WAY AUDIO AND VIDEO)

Variable Name	:	CRINVID	AD12-CRED PRGM THRU DIST ED-VIDEO CONF
Record Number	:	1	
Position	:	263-264	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	34	0.5	690,569	22.5
2 NO	2	99	1.5	2,373,699	77.5
RESERVED CODE : -1 INAPPLICABLE	-1	6,564	98.0	191,560,940	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AD12. What types of technologies were used for the teacher and students to communicate? SOME OTHER WAY

Variable Name	:	CRINOTH	AD12-CRED PRGM THRU DIST ED-OTHER
Record Number	:	1	
Position	:	265-266	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	39	0.6	688,687	22.5
2 NO	2	94	1.4	2,375,580	77.5
RESERVED CODE : -1 INAPPLICABLE	-1	6,564	98.0	191,560,940	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AE1. During the past 12 months, were you in a formal apprenticeship program leading to journeyman status in a skilled trade or craft?

Variable Name	:	APPRENTI	AE1-APPRENTICESHIP PROGRAM
Record Number	:	1	
Position	:	267-268	
Format	:	N2	
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, APPRENTI; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	133	2.0	3,529,166	1.8
2 NO	2	6,564	98.0	191,096,042	98.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

AE2. **Are you still in that program?**

Variable Name	: APSTILL	AE2-STILL IN APPRENTICESHIP PROGRAM
Record Number	: 1	
Position	: 269-270	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, APSTILL; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	77	1.1	1,801,677	51.1
2 NO	2	56	0.8	1,727,489	48.9
RESERVED CODE : -1 INAPPLICABLE	-1	6,564	98.0	191,096,042	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AE4a. **Who sponsors the program? Was it… a. An employer?**

Variable Name	: APEMPLOY	AE4A-EMPLOYER SPONSORED APPR
Record Number	: 1	
Position	: 271-272	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, APEMPLOY; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	73	1.1	1,987,034	59.5
2 NO	2	52	0.8	1,351,957	40.5
RESERVED CODE : -1 INAPPLICABLE	-1	6,572	98.1	191,286,216	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AE4b. **Who sponsors the program? Was it… b. A labor union?**

Variable Name	: APUNION	AE4B-LABOR UNION SPONSORED APPR
Record Number	: 1	
Position	: 273-274	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, APUNION; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	23	0.3	729,297	20.7
2 NO	2	110	1.6	2,799,869	79.3
RESERVED CODE : -1 INAPPLICABLE	-1	6,564	98.0	191,096,042	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AE4c. **Who sponsors the program? Was it… c. The local or state government?**

Variable Name	: APSTAGOV	AE4C-LOCAL OR STATE GOV SPONSORED APPR
Record Number	: 1	
Position	: 275-276	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, APSTAGOV; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	42	0.6	1,042,939	29.6
2 NO	2	91	1.4	2,486,226	70.4
RESERVED CODE : -1 INAPPLICABLE	-1	6,564	98.0	191,096,042	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AE4d. Who sponsors the program? Was it… d. The federal government?

Variable Name	:	APFEDGOV AE4D-FED GOV SPONSORED APPR
Record Number	:	1
Position	:	277-278
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, APFEDGOV; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	23	0.3	526,502	14.9
2 NO	2	110	1.6	3,002,664	85.1
RESERVED CODE : -1 INAPPLICABLE	-1	6,564	98.0	191,096,042	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AE4e. Who sponsors the program? Was it… e. Anyone else?

Variable Name	:	APOTHER AE4E-SOMEONE ELSE SPONSORED APPR
Record Number	:	1
Position	:	279-280
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, APOTHER; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	24	0.4	438,456	12.4
2 NO	2	109	1.6	3,090,710	87.6
RESERVED CODE : -1 INAPPLICABLE	-1	6,564	98.0	191,096,042	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF1. Now, I'd like to ask about courses related to a job or career, whether or not you had a job when you took the courses. (Please don't include courses you already told me about.) Some examples are courses taken at your job, courses taken somewhere else that relate to your job or a new career, or courses for a license or certification you need for your job. Have you taken any of these in the past 12 months?

Variable Name	:	WRACTY AF1-CAREER OR JOB RELATED COURSES
Record Number	:	1
Position	:	281-282
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, WRACTY; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	1,943	29.0	44,863,412	23.1
2 NO	2	4,754	71.0	149,761,795	76.9
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF3. (Rather than ask about all these courses, the computer has selected one of them automatically.) What was the main reason you took (COURSE NAME)?

Variable Name	:	WRCSREA AF3-MAIN REASON FOR WORK-REL COURSE
Record Number	:	1
Position	:	283-284
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, WRREASO1-6; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 TO IMPROVE, ADVANCE ON CURRENT JOB	1	1,542	23.0	36,196,211	80.7
2 TO TRAIN FOR A NEW JOB OR CAREER	2	139	2.1	3,447,818	7.7
3 TO IMPROVE BASIC READING,WRITING,MATH	3	10	0.1	271,816	0.6
4 TO MEET REQ FOR DEGR,DIPL,CERT OF COMP	4	155	2.3	3,231,000	7.2
5 A PERSONAL, FAMILY, SOCIAL REASON	5	81	1.2	1,426,354	3.2
91 SOME OTHER REASON	91	16	0.2	290,212	0.6
RESERVED CODE : -1 INAPPLICABLE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF4. Did you have the same main reason for participating in the other course(s)?

Variable Name	: WRSAME	AF4-SAME MAIN REASON FOR OTH COURSES			
Record Number	: 1				
Position	: 285-286				
Format	: N2				
Comment	:				

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	923	13.8	21,623,979	87.5
2 NO	2	144	2.2	3,093,427	12.5
RESERVED CODE : -1 INAPPLICABLE	-1	5,630	84.1	169,907,801	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF5. What were the main reasons for taking part in (the) other job- or career-related course(s)? TO IMPROVE, ADVANCE, OR KEEP UP TO DATE ON CURRENT JOB

Variable Name	: WRRSCUR	AF5-TO IMPROVE/ADVANCE JOB			
Record Number	: 1				
Position	: 287-288				
Format	: N2				
Comment	:				

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	95	1.4	1,983,641	64.1
2 NO	2	49	0.7	1,109,786	35.9
RESERVED CODE : -1 INAPPLICABLE	-1	6,553	97.8	191,531,780	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF5. What were the main reasons for taking part in (the) other job- or career-related course(s)? TO TRAIN FOR A NEW JOB OR A NEW CAREER

Variable Name	: WRRSNEW	AF5-TO TRAIN FOR NEW JOB			
Record Number	: 1				
Position	: 289-290				
Format	: N2				
Comment	:				

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	18	0.3	421,422	13.6
2 NO	2	126	1.9	2,672,006	86.4
RESERVED CODE : -1 INAPPLICABLE	-1	6,553	97.8	191,531,780	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF5. What were the main reasons for taking part in (the) other job- or career-related course(s)? TO IMPROVE YOUR BASIC READING, WRITING, OR MATH SKILLS

Variable Name	: WRRSBAS	AF5-TO IMPROVE BASIC SKILLS			
Record Number	: 1				
Position	: 291-292				
Format	: N2				
Comment	:				

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
2 NO	2	144	2.2	3,093,427	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,553	97.8	191,531,780	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF5. **What were the main reasons for taking part in (the) other job- or career-related course(s)? TO MEET A REQUIREMENT FOR A DIPLOMA, DEGREE, OR CERTIFICATE OF COMPLETION**

Variable Name	: WRRSREQ	AF5-TO MEET REQUIREMENT FOR DEGREE		
Record Number	: 1			
Position	: 293-294			
Format	: N2			
Comment	:			

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	20	0.3	551,882	17.8
2 NO	2	124	1.9	2,541,546	82.2
RESERVED CODE : -1 INAPPLICABLE	-1	6,553	97.8	191,531,780	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF5. **What were the main reasons for taking part in (the) other job- or career-related course(s)? FOR A PERSONAL, FAMILY, OR SOCIAL REASON**

Variable Name	: WRRSPER	AF5-FOR PERSONAL/FAMILY REASON		
Record Number	: 1			
Position	: 295-296			
Format	: N2			
Comment	:			

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	36	0.5	611,720	19.8
2 NO	2	108	1.6	2,481,707	80.2
RESERVED CODE : -1 INAPPLICABLE	-1	6,553	97.8	191,531,780	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF5. **What were the main reasons for taking part in (the) other job- or career-related course(s)? OTHER**

Variable Name	: WRRSOTH	AF5-FOR SOME OTHER REASON		
Record Number	: 1			
Position	: 297-298			
Format	: N2			
Comment	:			

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	3	0.0	89,289	2.9
2 NO	2	141	2.1	3,004,139	97.1
RESERVED CODE : -1 INAPPLICABLE	-1	6,553	97.8	191,531,780	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF6. **In the past 12 months, how many total hours did you attend (all of) the course(s) related to a job or career? Would you say...**

Variable Name	: WRTOTHR	AF6-TOTAL HRS IN WORK RELATED COURSES		
Record Number	: 1			
Position	: 299-300			
Format	: N2			
Comment	:			

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 15 HOURS OR LESS	1	536	8.0	12,354,944	27.5
2 16 TO 30 HOURS	2	547	8.2	12,933,484	28.8
3 31 TO 50 HOURS	3	402	6.0	9,155,987	20.4
4 51 TO 100 HOURS	4	258	3.9	5,707,911	12.7
5 MORE THAN 100 HOURS	5	200	3.0	4,711,086	10.5
RESERVED CODE : -1 INAPPLICABLE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF7. **(Thinking about all of the career or job related courses you took in the past 12 months,) what type of school, organization, or business provided the instruction? AN ELEMENTARY SCHOOL, JUNIOR HIGH SCHOOL, OR HIGH SCHOOL**

Variable Name : WRSCSCH   AF7-PROVIDER-ELEM/JR/HIGH SCHOOL
Record Number : 1
Position : 301-302
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	84	1.3	2,261,929	5.0
2 NO	2	1,859	27.8	42,601,483	95.0
RESERVED CODE : -1 INAPPLICABLE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF7. **(Thinking about all of the career or job related courses you took in the past 12 months,) what type of school, organization, or business provided the instruction? A 2-YEAR COMMUNITY OR JUNIOR COLLEGE**

Variable Name : WRSC2YR   AF7-PROVIDER-JUNIOR COLLEGE
Record Number : 1
Position : 303-304
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	118	1.8	2,314,182	5.2
2 NO	2	1,825	27.3	42,549,230	94.8
RESERVED CODE : -1 INAPPLICABLE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF7. **(Thinking about all of the career or job related courses you took in the past 12 months,) what type of school, organization, or business provided the instruction? A PUBLIC 2-YEAR VOCATIONAL SCHOOL OR TECHNICAL INSTITUTE**

Variable Name : WRSCVOC   AF7-PROVIDER-VOC/TECH SCHOOL
Record Number : 1
Position : 305-306
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	44	0.7	1,032,714	2.3
2 NO	2	1,899	28.4	43,830,697	97.7
RESERVED CODE : -1 INAPPLICABLE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF7. **(Thinking about all of the career or job related courses you took in the past 12 months,) what type of school, organization, or business provided the instruction? A 4-YEAR COLLEGE OR UNIVERSITY**

Variable Name : WRPR4YR   AF7-PROVIDER-4 YR COLLEGE/UNIVERSITY
Record Number : 1
Position : 307-308
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	301	4.5	6,411,561	14.3
2 NO	2	1,642	24.5	38,451,851	85.7
RESERVED CODE : -1 INAPPLICABLE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF7. **(Thinking about all of the career or job related courses you took in the past 12 months,) what type of school, organization, or business provided the instruction? A PRIVATE VOCATIONAL, TRADE, BUSINESS, HOSPITAL,OR FLIGHT SCHOOL**

Variable Name : WRPRPRI   AF7-PROVIDER-PRIV TRADE/BUSINESS SCHOOL
Record Number : 1
Position : 309-310
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	231	3.4	4,935,980	11.0
2 NO	2	1,712	25.6	39,927,431	89.0
RESERVED CODE : -1 INAPPLICABLE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF7. **(Thinking about all of the career or job related courses you took in the past 12 months,) what type of school, organization, or business provided the instruction? AN ADULT LEARNING CENTER**

Variable Name : WRSCALC   AF7-PROVIDER-ADULT LEARNING CENTER
Record Number : 1
Position : 311-312
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	31	0.5	702,015	1.6
2 NO	2	1,912	28.6	44,161,396	98.4
RESERVED CODE : -1 INAPPLICABLE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF7. **(Thinking about all of the career or job related courses you took in the past 12 months,) what type of school, organization, or business provided the instruction? A BUSINESS OR INDUSTRY**

Variable Name : WRPRBUS   AF7-PROVIDER-BUSINESS/INDUSTRY
Record Number : 1
Position : 313-314
Format : N2
Comment : Previous NHES Surveys: 1996, N/A; 1995, WR1PRTYP-WR6PRTYP; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	788	11.8	19,642,668	43.8
2 NO	2	1,155	17.2	25,220,744	56.2
RESERVED CODE : -1 INAPPLICABLE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF7. **(Thinking about all of the career or job related courses you took in the past 12 months,) what type of school, organization, or business provided the instruction? A PROFESSIONAL ASSOCIATION (INCLUDING LABOR ORGANIZATIONS)**

Variable Name : WRPRPRO   AF7-PROVIDER-PROFESSIONAL ORGANIZATION
Record Number : 1
Position : 315-316
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	274	4.1	5,546,778	12.4
2 NO	2	1,669	24.9	39,316,634	87.6
RESERVED CODE : -1 INAPPLICABLE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF7. **(Thinking about all of the career or job related courses you took in the past 12 months,) what type of school, organization, or business provided the instruction? A FEDERAL, STATE, COUNTY, OR LOCAL GOVERNMENT AGENCY**

Variable Name	:	WRPRGOV	AF7-PROVIDER-FEDERAL/STATE/LOCAL GOVT
Record Number	:	1	
Position	:	317-318	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	297	4.4	6,129,384	13.7
2 NO	2	1,646	24.6	38,734,028	86.3
RESERVED CODE : -1 INAPPLICABLE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF7. **(Thinking about all of the career or job related courses you took in the past 12 months,) what type of school, organization, or business provided the instruction? A PUBLIC LIBRARY**

Variable Name	:	WRSCLIB	AF7-PROVIDER-PUBLIC LIBRARY
Record Number	:	1	
Position	:	319-320	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	2	0.0	34,595	0.1
2 NO	2	1,941	29.0	44,828,816	99.9
RESERVED CODE : -1 INAPPLICABLE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF7. **(Thinking about all of the career or job related courses you took in the past 12 months,) what type of school, organization, or business provided the instruction? A PRIVATE COMMUNITY ORGANIZATION (EXCLUDING RELIGIOUS ORGANIZATIONS)**

Variable Name	:	WRSCORG	AF7-PROVIDER-PRIVATE COMM ORGANIZATION
Record Number	:	1	
Position	:	321-322	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	83	1.2	1,742,686	3.9
2 NO	2	1,860	27.8	43,120,726	96.1
RESERVED CODE : -1 INAPPLICABLE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF7. **(Thinking about all of the career or job related courses you took in the past 12 months,) what type of school, organization, or business provided the instruction? A CHURCH OR RELIGIOUS ORGANIZATION**

Variable Name	:	WRSCCHU	AF7-PROVIDER-CHURCH/RELIGIOUS ORG
Record Number	:	1	
Position	:	323-324	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	12	0.2	282,600	0.6
2 NO	2	1,931	28.8	44,580,812	99.4
RESERVED CODE : -1 INAPPLICABLE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF7. **(Thinking about all of the career or job related courses you took in the past 12 months,) what type of school, organization, or business provided the instruction? A TUTOR OR PRIVATE INSTRUCTOR**

Variable Name	: WRSCTUT	AF7-PROVIDER-TUTOR/PRIVATE INSTRUCTOR
Record Number	: 1	
Position	: 325-326	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	29	0.4	589,414	1.3
2 NO	2	1,914	28.6	44,273,998	98.7
RESERVED CODE : -1 INAPPLICABLE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF7. **(Thinking about all of the career or job related courses you took in the past 12 months,) what type of school, organization, or business provided the instruction? SOME OTHER SCHOOL OR ORGANIZATION**

Variable Name	: WRSCOTH	AF7-PROVIDER-OTHER SCHOOL OR ORG
Record Number	: 1	
Position	: 327-328	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	88	1.3	1,987,465	4.4
2 NO	2	1,855	27.7	42,875,947	95.6
RESERVED CODE : -1 INAPPLICABLE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF8. **(Was/Were any of) the course provider(s) also your employer?**

Variable Name	: WRPROVEM	AF8-INSTRUCTIONAL PROVIDER WAS EMPLOYER
Record Number	: 1	
Position	: 329-330	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, WR1PREMP-WR6PREMP; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	909	13.6	21,243,079	48.3
2 NO	2	992	14.8	22,758,690	51.7
RESERVED CODE : -1 INAPPLICABLE	-1	4,796	71.6	150,623,438	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF9a. **Did your employer… a. Require you to take (the/any of these) course(s)?**

Variable Name	: WREMPREQ	AF9A-EMPLOYER REQUIRED WORK-REL COURSES
Record Number	: 1	
Position	: 331-332	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, WR1EMREQ-WR6EMREQ; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	849	12.7	20,787,007	47.2
2 NO	2	1,052	15.7	23,214,762	52.8
RESERVED CODE : -1 INAPPLICABLE	-1	4,796	71.6	150,623,438	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF9b.   Did your employer… b. Give you time off from work with or without pay?

Variable Name	: WREMPWP	AF9B-EMPLOYER GAVE TIME OFF W/WO PAY			
Record Number	: 1				
Position	: 333-334				
Format	: N2				
Comment	: Previous NHES Surveys: 1996, N/A; 1995, WR1EMPWP-WR6EMPWP; 1991, N/A				

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	1,314	19.6	31,224,995	71.0
2 NO	2	587	8.8	12,776,774	29.0
RESERVED CODE : -1 INAPPLICABLE	-1	4,796	71.6	150,623,438	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF9c.   Did your employer… c. Provide classroom space?

Variable Name	: WREMPSPA	AF9C-EMPLOYER PROVIDED CLASSROOM SPACE			
Record Number	: 1				
Position	: 335-336				
Format	: N2				
Comment	: Previous NHES Surveys: 1996, N/A; 1995, WR1EMPSPA-WR6EMPSPA; 1991, N/A				

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	1,072	16.0	25,578,072	58.1
2 NO	2	829	12.4	18,423,697	41.9
RESERVED CODE : -1 INAPPLICABLE	-1	4,796	71.6	150,623,438	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF9d.   Did your employer… d. Pay all or part of the cost, including tuition, books, and supplies, and other costs like transportation?

Variable Name	: WREMPPAY	AF9D-EMPLOYER PAID ALL/PART OF COSTS			
Record Number	: 1				
Position	: 337-338				
Format	: N2				
Comment	: Previous NHES Surveys: 1996, N/A; 1995, WR1EMPPAY-WR6EMPPAY; 1991, N/A				

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	1,485	22.2	34,357,390	78.1
2 NO	2	416	6.2	9,644,379	21.9
RESERVED CODE : -1 INAPPLICABLE	-1	4,796	71.6	150,623,438	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF10.   Was the employer who provided this support your (current/most recent) employer?

Variable Name	: WRCUREM	AF10-PROV OF SUPPORT CURRENT EMPLOYER			
Record Number	: 1				
Position	: 339-340				
Format	: N2				
Comment	:				

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	1,563	23.3	36,913,437	94.2
2 NO	2	108	1.6	2,279,252	5.8
RESERVED CODE : -1 INAPPLICABLE	-1	5,026	75.0	155,432,519	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF11.   **Did you receive instruction for (any of) your career- or job-related course(s) through distance education?**

Variable Name	: WRDIST	AF11-WK REL CRS THRU DISTANCE EDUCATION
Record Number	: 1	
Position	: 341-342	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	173	2.6	3,840,750	8.6
2 NO	2	1,770	26.4	41,022,662	91.4
RESERVED CODE : -1 INAPPLICABLE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF12.   **What types of technologies were used for the teacher and students to communicate? TELEVISION OR RADIO**

Variable Name	: WRINTV	AF12-WK REL CRS THRU DIST ED-TV/RADIO
Record Number	: 1	
Position	: 343-344	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	25	0.4	660,351	17.2
2 NO	2	148	2.2	3,180,398	82.8
RESERVED CODE : -1 INAPPLICABLE	-1	6,524	97.4	190,784,457	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF12.   **What types of technologies were used for the teacher and students to communicate? E-MAIL**

Variable Name	: WRINEMA	AF12-WK REL CRS THRU DIST ED-E-MAIL
Record Number	: 1	
Position	: 345-346	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	21	0.3	506,907	13.2
2 NO	2	152	2.3	3,333,843	86.8
RESERVED CODE : -1 INAPPLICABLE	-1	6,524	97.4	190,784,457	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF12.   **What types of technologies were used for the teacher and students to communicate? COMPUTER CONFERENCING**

Variable Name	: WRINCOM	AF12-WK REL CRS THRU DIST ED-COM CONF
Record Number	: 1	
Position	: 347-348	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	52	0.8	1,136,418	29.6
2 NO	2	121	1.8	2,704,332	70.4
RESERVED CODE : -1 INAPPLICABLE	-1	6,524	97.4	190,784,457	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF12. **What types of technologies were used for the teacher and students to communicate? THE INTERNET,**
SUCH AS THE WORLD WIDE WEB

Variable Name	**:** WRINWWW	AF12-WK REL CRS THRU DIST ED-INTERNET
Record Number	**:** 1	
Position	**:** 349-350	
Format	**:** N2	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	35	0.5	874,039	22.8
2 NO	2	138	2.1	2,966,711	77.2
RESERVED CODE : -1 INAPPLICABLE	-1	6,524	97.4	190,784,457	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF12. **What types of technologies were used for the teacher and students to communicate? SATELLITE**
BROADCAST (1-WAY VIDEO, 2-WAY AUDIO)

Variable Name	**:** WRINSAT	AF12-WK REL CRS THRU DIST ED-SATELLITE
Record Number	**:** 1	
Position	**:** 351-352	
Format	**:** N2	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	22	0.3	478,324	12.5
2 NO	2	151	2.3	3,362,426	87.5
RESERVED CODE : -1 INAPPLICABLE	-1	6,524	97.4	190,784,457	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF12. **What types of technologies were used for the teacher and students to communicate? VIDEO**
CONFERENCING (2-WAY AUDIO AND VIDEO)

Variable Name	**:** WRINVID	AF12-WK REL CRS THRU DIST ED-VIDEO CONF
Record Number	**:** 1	
Position	**:** 353-354	
Format	**:** N2	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	56	0.8	1,189,453	31.0
2 NO	2	117	1.7	2,651,297	69.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,524	97.4	190,784,457	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AF12. **What types of technologies were used for the teacher and students to communicate? SOME OTHER WAY**

Variable Name	**:** WRINOTH	AF12-WK REL CRS THRU DIST ED-OTHER
Record Number	**:** 1	
Position	**:** 355-356	
Format	**:** N2	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	45	0.7	908,681	23.7
2 NO	2	128	1.9	2,932,068	76.3
RESERVED CODE : -1 INAPPLICABLE	-1	6,524	97.4	190,784,457	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG1. Now, I am going to ask about any other courses where there was an instructor. (Please don't repeat any courses (and programs) you have already told us about.) These might include things like arts and crafts, sports or recreation, first aid, childbirth, Bible study, or any other types of courses we haven't talked about yet. Did you take any of these or other courses in the past 12 months?

Variable Name	: SAACTY	AG1-OTHER STRUCTURED COURSES
Record Number	: 1	
Position	: 357-358	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, SAACTY; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	1,807	27.0	44,258,132	22.7
2 NO	2	4,890	73.0	150,367,075	77.3
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG2. For any of these courses, what was the main reason you took the course? FOR A PERSONAL, FAMILY, OR SOCIAL REASON

Variable Name	: SARSPER	AG2-FOR PERSONAL/FAMILY REASON
Record Number	: 1	
Position	: 359-360	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, SAREASO1-3; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	1,422	21.2	34,670,564	78.3
2 NO	2	385	5.7	9,587,569	21.7
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG2. For any of these courses, what was the main reason you took the course? TO MEET A REQUIREMENT FOR A DIPLOMA, DEGREE, OR CERTIFICATE OF COMPLETION

Variable Name	: SARSREQ	AG2-TO MEET REQUIREMENT FOR DEGREE
Record Number	: 1	
Position	: 361-362	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, SAREASO1-3; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	143	2.1	3,217,744	7.3
2 NO	2	1,664	24.8	41,040,389	92.7
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG2. For any of these courses, what was the main reason you took the course? TO IMPROVE, ADVANCE, OR KEEP UP TO DATE ON CURRENT JOB

Variable Name	: SARSCUR	AG2-TO IMPROVE/ADVANCE JOB
Record Number	: 1	
Position	: 363-364	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, SAREASO1-3; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	330	4.9	8,478,446	19.2
2 NO	2	1,477	22.1	35,779,686	80.8
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG2. **For any of these courses, what was the main reason you took the course? TO TRAIN FOR A NEW JOB OR A NEW CAREER**

Variable Name	: SARSNEW	AG2-TO TRAIN FOR NEW JOB
Record Number	: 1	
Position	: 365-366	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, SAREASO1-3; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	56	0.8	1,249,619	2.8
2 NO	2	1,751	26.1	43,008,513	97.2
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG2. **For any of these courses, what was the main reason you took the course? TO IMPROVE YOUR BASIC READING, WRITING, OR MATH SKILLS**

Variable Name	: SARSBAS	AG2-TO IMPROVE BASIC SKILLS
Record Number	: 1	
Position	: 367-368	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, SAREASO1-3; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	17	0.3	228,670	0.5
2 NO	2	1,790	26.7	44,029,462	99.5
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG2. **For any of these courses, what was the main reason you took the course? FOR SOME OTHER MAIN REASON**

Variable Name	: SARSOTH	AG2-FOR SOME OTHER REASON
Record Number	: 1	
Position	: 369-370	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, SAREASO1-3; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	47	0.7	1,331,529	3.0
2 NO	2	1,760	26.3	42,926,604	97.0
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG3. **Thinking about all of the personal interest or development courses you took in the past 12 months, what type of school, organization, or business provided the instruction? AN ELEMENTARY SCHOOL, JUNIOR HIGH SCHOOL, OR HIGH SCHOOL**

Variable Name	: SASCSCH	AG3-PROVIDER-ELEMENTARY/JR/HIGH SCHOOL
Record Number	: 1	
Position	: 371-372	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, SA1PRTYP-SA3PRTYP; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	90	1.3	2,238,862	5.1
2 NO	2	1,717	25.6	42,019,271	94.9
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG3. **Thinking about all of the personal interest or development courses you took in the past 12 months, what type of school, organization, or business provided the instruction? A 2-YEAR COMMUNITY OR JUNIOR COLLEGE**

Variable Name	**:** SASC2YR	AG3-PROVIDER-JUNIOR COLLEGE				
Record Number	**:** 1					
Position	**:** 373-374					
Format	**:** N2					
Comment	**:** Previous NHES Surveys: 1996, N/A; 1995, SA1PRTYP-SA3PRTYP; 1991, N/A					

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	149	2.2	3,074,804	6.9
2 NO	2	1,658	24.8	41,183,328	93.1
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG3. **Thinking about all of the personal interest or development courses you took in the past 12 months, what type of school, organization, or business provided the instruction? A PUBLIC 2-YEAR VOCATIONAL SCHOOL OR TECHNICAL INSTITUTE**

Variable Name	**:** SASCVOC	AG3-PROVIDER-VOC/TECH SCHOOL				
Record Number	**:** 1					
Position	**:** 375-376					
Format	**:** N2					
Comment	**:** Previous NHES Surveys: 1996, N/A; 1995, SA1PRTYP-SA3PRTYP; 1991, N/A					

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	24	0.4	551,289	1.2
2 NO	2	1,783	26.6	43,706,843	98.8
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG3. **Thinking about all of the personal interest or development courses you took in the past 12 months, what type of school, organization, or business provided the instruction? A 4-YEAR COLLEGE OR UNIVERSITY**

Variable Name	**:** SAPR4YR	AG3-PROVIDER-4 YR COLLEGE/UNIVERSITY				
Record Number	**:** 1					
Position	**:** 377-378					
Format	**:** N2					
Comment	**:** Previous NHES Surveys: 1996, N/A; 1995, SA1PRTYP-SA3PRTYP; 1991, N/A					

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	193	2.9	3,501,688	7.9
2 NO	2	1,614	24.1	40,756,444	92.1
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG3. **Thinking about all of the personal interest or development courses you took in the past 12 months, what type of school, organization, or business provided the instruction? A PRIVATE VOCATIONAL, TRADE, BUSINESS, HOSPITAL, OR FLIGHT SCHOOL**

Variable Name	**:** SAPRPRI	AG3-PROVIDER-PRIV TRADE/BUSINESS SCHOOL				
Record Number	**:** 1					
Position	**:** 379-380					
Format	**:** N2					
Comment	**:** Previous NHES Surveys: 1996, N/A; 1995, SA1PRTYP-SA3PRTYP; 1991, N/A					

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	152	2.3	4,058,833	9.2
2 NO	2	1,655	24.7	40,199,299	90.8
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG3. **Thinking about all of the personal interest or development courses you took in the past 12 months, what type of school, organization, or business provided the instruction? AN ADULT LEARNING CENTER**

Variable Name	: SASCALC	AG3-PROVIDER-ADULT LEARNING CENTER
Record Number	: 1	
Position	: 381-382	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, SA1PRTYP-SA3PRTYP; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	48	0.7	851,697	1.9
2 NO	2	1,759	26.3	43,406,436	98.1
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG3. **Thinking about all of the personal interest or development courses you took in the past 12 months, what type of school, organization, or business provided the instruction? A BUSINESS OR INDUSTRY**

Variable Name	: SAPRBUS	AG3-PROVIDER-BUSINESS/INDUSTRY
Record Number	: 1	
Position	: 383-384	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, SA1PRTYP-SA3PRTYP; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	294	4.4	7,446,092	16.8
2 NO	2	1,513	22.6	36,812,040	83.2
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG3. **Thinking about all of the personal interest or development courses you took in the past 12 months, what type of school, organization, or business provided the instruction? A PROFESSIONAL ASSOCIATION (INCLUDING LABOR ORGANIZATIONS)**

Variable Name	: SARPRPRO	AG3-PROVIDER-PROFESSIONAL ASSOCIATION
Record Number	: 1	
Position	: 385-386	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, SA1PRTYP-SA3PRTYP; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	73	1.1	1,424,323	3.2
2 NO	2	1,734	25.9	42,833,809	96.8
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG3. **Thinking about all of the personal interest or development courses you took in the past 12 months, what type of school, organization, or business provided the instruction? A FEDERAL, STATE, COUNTY, OR LOCAL GOVERNMENT AGENCY**

Variable Name	: SAPRGOV	AG3-PROVIDER-FEDERAL/STATE/LOCAL GOVT
Record Number	: 1	
Position	: 387-388	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, SA1PRTYP-SA3PRTYP; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	179	2.7	4,388,781	9.9
2 NO	2	1,628	24.3	39,869,352	90.1
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG3. **Thinking about all of the personal interest or development courses you took in the past 12 months, what type of school, organization, or business provided the instruction? A PUBLIC LIBRARY**

Variable Name	**:** SASCLIB	AG3-PROVIDER-PUBLIC LIBRARY				
Record Number	**:** 1					
Position	**:** 389-390					
Format	**:** N2					
Comment	**:** Previous NHES Surveys: 1996, N/A; 1995, SA1PRTYP-SA3PRTYP; 1991, N/A					

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	8	0.1	121,262	0.3
2 NO	2	1,799	26.9	44,136,871	99.7
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG3. **Thinking about all of the personal interest or development courses you took in the past 12 months, what type of school, organization, or business provided the instruction? A PRIVATE COMMUNITY ORGANIZATION (EXCLUDING RELIGIOUS ORGANIZATIONS)**

Variable Name	**:** SASCORG	AG3-PROVIDER-PRIVATE COMMUNITY ORG				
Record Number	**:** 1					
Position	**:** 391-392					
Format	**:** N2					
Comment	**:** Previous NHES Surveys: 1996, N/A; 1995, SA1PRTYP-SA3PRTYP; 1991, N/A					

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	221	3.3	4,838,470	10.9
2 NO	2	1,586	23.7	39,419,663	89.1
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG3. **Thinking about all of the personal interest or development courses you took in the past 12 months, what type of school, organization, or business provided the instruction? A CHURCH OR RELIGIOUS ORGANIZATION**

Variable Name	**:** SASCCHU	AG3-PROVIDER-CHURCH/RELIGIOUS ORG				
Record Number	**:** 1					
Position	**:** 393-394					
Format	**:** N2					
Comment	**:** Previous NHES Surveys: 1996, N/A; 1995, SA1PRTYP-SA3PRTYP; 1991, N/A					

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	539	8.0	14,052,714	31.8
2 NO	2	1,268	18.9	30,205,418	68.2
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG3. **Thinking about all of the personal interest or development courses you took in the past 12 months, what type of school, organization, or business provided the instruction? A TUTOR OR PRIVATE INSTRUCTOR**

Variable Name	**:** SASCTUT	AG3-PROVIDER-TUTOR/PRIVATE INSTRUCTOR				
Record Number	**:** 1					
Position	**:** 395-396					
Format	**:** N2					
Comment	**:** Previous NHES Surveys: 1996, N/A; 1995, SA1PRTYP-SA3PRTYP; 1991, N/A					

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	103	1.5	3,129,337	7.1
2 NO	2	1,704	25.4	41,128,796	92.9
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG3. Thinking about all of the personal interest or development courses you took in the past 12 months, what type of school, organization, or business provided the instruction? SOME OTHER SCHOOL OR ORGANIZATION

Variable Name : SASCOTH   AG3-PROVIDER-OTHER SCHOOL/ORG
Record Number : 1
Position : 397-398
Format : N2
Comment : Previous NHES Surveys: 1996, N/A; 1995, SA1PRTYP-SA3PRTYP; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	72	1.1	1,970,208	4.5
2 NO	2	1,735	25.9	42,287,925	95.5
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG4. Did you receive instruction for any of your personal development courses through distance education?

Variable Name : SADIST   AG4-PERS CRSE THRU DISTANCE EDUCATION
Record Number : 1
Position : 399-400
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	48	0.7	1,295,167	2.9
2 NO	2	1,759	26.3	42,962,965	97.1
RESERVED CODE : -1 INAPPLICABLE	-1	4,890	73.0	150,367,075	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG5. What types of technologies were used for the teacher and students to communicate? TELEVISION OR RADIO

Variable Name : SAINTV   AG5-PERS CRSE THRU DIST ED-TV/RADIO
Record Number : 1
Position : 401-402
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	4	0.1	57,421	4.4
2 NO	2	44	0.7	1,237,746	95.6
RESERVED CODE : -1 INAPPLICABLE	-1	6,649	99.3	193,330,040	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG5. What types of technologies were used for the teacher and students to communicate? E-MAIL

Variable Name : SAINEMA   AG5-PERS CRSE THRU DIST ED-E-MAIL
Record Number : 1
Position : 403-404
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	11	0.2	262,635	20.3
2 NO	2	37	0.6	1,032,532	79.7
RESERVED CODE : -1 INAPPLICABLE	-1	6,649	99.3	193,330,040	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG5. **What types of technologies were used for the teacher and students to communicate? COMPUTER CONFERENCING**

Variable Name	:	SAINCOM	AG5-PERS CRSE THRU DIST ED-COM CONF
Record Number	:	1	
Position	:	405-406	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	10	0.1	406,896	31.4
2 NO	2	38	0.6	888,271	68.6
RESERVED CODE : -1 INAPPLICABLE	-1	6,649	99.3	193,330,040	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG5. **What types of technologies were used for the teacher and students to communicate? THE INTERNET, SUCH AS THE WORLD WIDE WEB**

Variable Name	:	SAINWWW	AG5-PERS CRSE THRU DIST ED-INTERNET
Record Number	:	1	
Position	:	407-408	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	11	0.2	265,778	20.5
2 NO	2	37	0.6	1,029,390	79.5
RESERVED CODE : -1 INAPPLICABLE	-1	6,649	99.3	193,330,040	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG5. **What types of technologies were used for the teacher and students to communicate? SATELLITE BROADCAST (1-WAY VIDEO, 2-WAY AUDIO)**

Variable Name	:	SAINSAT	AG5-PERS CRSE THRU DIST ED-SATELLITE
Record Number	:	1	
Position	:	409-410	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	2	0.0	16,070	1.2
2 NO	2	46	0.7	1,279,098	98.8
RESERVED CODE : -1 INAPPLICABLE	-1	6,649	99.3	193,330,040	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG5. **What types of technologies were used for the teacher and students to communicate? VIDEO CONFERENCING (2-WAY AUDIO AND VIDEO)**

Variable Name	:	SAINVID	AG5-PERS CRSE THRU DIST ED-VIDEO CONF
Record Number	:	1	
Position	:	411-412	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	13	0.2	260,516	20.1
2 NO	2	35	0.5	1,034,651	79.9
RESERVED CODE : -1 INAPPLICABLE	-1	6,649	99.3	193,330,040	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AG5. **What types of technologies were used for the teacher and students to communicate? SOME OTHER WAY**

Variable Name	: SAINOTH	AG5-PERS CRSE THRU DIST ED-OTHER
Record Number	: 1	
Position	: 413-414	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	15	0.2	376,549	29.1
2 NO	2	33	0.5	918,618	70.9
RESERVED CODE : -1 INAPPLICABLE	-1	6,649	99.3	193,330,040	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AH1. **While we have been talking, have you remembered any (other) courses or programs that you took in the past 12 months that you haven't mentioned yet?**

Variable Name	: GIOTH	AH1-TAKEN ANY OTH CLASSES NOT MENTIONED
Record Number	: 1	
Position	: 415-416	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	400	6.0	8,929,043	4.6
2 NO	2	6,297	94.0	185,696,164	95.4
		6,697	**100.0%**	**194,625,207**	**100.0%**

AH2a. **Were any of those… a. Classes to learn English as a second language?**

Variable Name	: GIOTESL	AH2A-ESL CLASSES
Record Number	: 1	
Position	: 417-418	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	1	0.0	14,313	2.8
2 NO	2	16	0.2	491,584	97.2
RESERVED CODE : -1 INAPPLICABLE	-1	6,680	99.7	194,119,310	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AH2b. **Were any of those… b. Classes to improve basic reading, writing, or math skills or to prepare to take GED test, or some other high school equivalent program or adult high school program?**

Variable Name	: GIOTGED	AH2B-ABE/GED CLASSES
Record Number	: 1	
Position	: 419-420	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	2	0.0	156,133	20.6
2 NO	2	25	0.4	601,007	79.4
RESERVED CODE : -1 INAPPLICABLE	-1	6,670	99.6	193,868,068	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AH2c. Were any of those… c. Programs leading toward a college or university degree or a vocational or technical diploma or certificate?

					Weighted	Weighted

Variable Name : GIOTCRD   AH2C-CREDENTIAL PROGRAMS
Record Number : 1
Position : 421-422
Format : N2
Comment :

Response		Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES		1	80	1.2	2,216,700	24.8
2 NO		2	320	4.8	6,712,342	75.2
RESERVED CODE : -1 INAPPLICABLE		-1	6,297	94.0	185,696,164	
			6,697	**100.0%**	**194,625,207**	**100.0%**

AH2d. Were any of those… d. Formal apprenticeship programs leading to journeyman status in a skilled trade or craft?

Variable Name : GIOTAPR   AH2D-APPRENTICESHIP PROGRAMS
Record Number : 1
Position : 423-424
Format : N2
Comment :

Response		Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES		1	20	0.3	482,045	5.4
2 NO		2	380	5.7	8,446,998	94.6
RESERVED CODE : -1 INAPPLICABLE		-1	6,297	94.0	185,696,164	
			6,697	**100.0%**	**194,625,207**	**100.0%**

AH2e. Were any of those… e. Courses taken at your job, courses taken somewhere else that relate to your job or a new career, or courses for a license or certification?

Variable Name : GIOTWRL   AH2E-CAREER OR JOB RELATED COURSES
Record Number : 1
Position : 425-426
Format : N2
Comment :

Response		Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES		1	258	3.9	5,961,793	66.8
2 NO		2	142	2.1	2,967,250	33.2
RESERVED CODE : -1 INAPPLICABLE		-1	6,297	94.0	185,696,164	
			6,697	**100.0%**	**194,625,207**	**100.0%**

AH2f. Were any of those… f. How about any other courses like arts and crafts, sports or recreation, first aid or childbirth, or Bible study?

Variable Name : GIOTPRS   AH2F-OTHER STRUCTURED COURSES
Record Number : 1
Position : 427-428
Format : N2
Comment :

Response		Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES		1	141	2.1	3,043,005	34.1
2 NO		2	259	3.9	5,886,038	65.9
RESERVED CODE : -1 INAPPLICABLE		-1	6,297	94.0	185,696,164	
			6,697	**100.0%**	**194,625,207**	**100.0%**

AH3a.   Have you ever heard of… a. The Lifetime Learning tax credit?

Variable Name	: GILIFE	AH3-HEARD OF LIFETIM LEARNING TAX CRDT		
Record Number	: 1			
Position	: 429-430			
Format	: N2			
Comment	:			

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	873	13.0	24,353,772	12.5
2 NO	2	5,824	87.0	170,271,435	87.5
		6,697	**100.0%**	**194,625,207**	**100.0%**

AH3b.   Have you ever heard of… b. the HOPE Scholarship tax credit?

Variable Name	: GIHOPE	AH3-HEARD OF HOPE SCHOLARSHIP TAX CRDT		
Record Number	: 1			
Position	: 431-432			
Format	: N2			
Comment	:			

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	1,114	16.6	31,195,343	16.0
2 NO	2	5,583	83.4	163,429,864	84.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

AH4.   Did you or will you use the Lifetime Learning tax credit for any courses you have taken in the past 12 months?

Variable Name	: GILIFUS	AH4-USE LIFETIME LEARNING TAX CREDIT		
Record Number	: 1			
Position	: 433-434			
Format	: N2			
Comment	:			

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	95	1.4	2,039,044	14.7
2 NO	2	485	7.2	11,830,967	85.3
RESERVED CODE : -1 INAPPLICABLE	-1	6,117	91.3	180,755,196	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AH5.   Did you or will you use the HOPE Scholarship tax credit for any courses you have taken in the past 12 months?

Variable Name	: GIHOPUS	AH5-USE HOPE SCHOLARSHIP TAX CREDIT		
Record Number	: 1			
Position	: 435-436			
Format	: N2			
Comment	:			

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	69	1.0	1,736,778	9.5
2 NO	2	694	10.4	16,482,582	90.5
RESERVED CODE : -1 INAPPLICABLE	-1	5,934	88.6	176,405,847	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AI1. **First, I'd like to ask about what you read. How often do you read a newspaper (in English)? Would it be…**

Variable Name	:	CARDPAPR AI1-HOW OFTEN READ NEWSPAPER
Record Number	:	1
Position	:	437-438
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, CARDPAPR; 1995, N/A; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 ALMOST EVERY DAY	1	3,755	56.1	106,776,034	54.9
2 AT LEAST ONCE A WEEK	2	1,802	26.9	52,228,204	26.8
3 AT LEAST ONCE A MONTH	3	294	4.4	8,543,051	4.4
4 HARDLY EVER	4	846	12.6	27,077,918	13.9
		6,697	**100.0%**	**194,625,207**	**100.0%**

AI2. **About how many different magazines do you look at or read (in English) on a regular basis?**

Variable Name	:	CARDMAGS AI2-NUMBER OF MAGAZINES
Record Number	:	1
Position	:	439-440
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, CARDMAGS; 1995, N/A; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-99	0-99	6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

AI3. **Have you read any books (in English) in the past six months?**

Variable Name	:	CARDBOOK AI3-READ ANY BOOKS IN PAST 6 MONTHS
Record Number	:	1
Position	:	441-442
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, CARDBOOK; 1995, N/A; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	4,730	70.6	129,151,398	66.4
2 NO	2	1,967	29.4	65,473,810	33.6
		6,697	**100.0%**	**194,625,207**	**100.0%**

AI4. **Have you used a public library or public library program in the past month?**

Variable Name	:	LIBMO AI4-USED PUBLIC LIBRARY IN PAST MONTH
Record Number	:	1
Position	:	443-444
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, N/A; 1991, LIBMO

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	2,154	32.2	57,105,090	29.3
2 NO	2	4,543	67.8	137,520,117	70.7
		6,697	**100.0%**	**194,625,207**	**100.0%**

AI5.   In the past year?

Variable Name	: LIBYR	AI5-USED PUBLIC LIBRARY IN PAST YEAR			
Record Number	: 1				
Position	: 445-446				
Format	: N2				
Comment	: Previous NHES Surveys: 1996, N/A; 1995, N/A; 1991, LIBYR				

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	3,730	55.7	101,202,476	52.0
2 NO	2	2,967	44.3	93,422,731	48.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

AI6.   Do you participate in any ongoing community service activity, for example, volunteering at a school, coaching a sports team, or working with a church or neighborhood association?

Variable Name	: CASERVC	AI6-PARTICIPATE IN COMMUNITY SERVICE
Record Number	: 1	
Position	: 447-448	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, CASERVC; 1995, N/A; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	2,682	40.0	75,182,302	38.6
2 NO	2	4,015	60.0	119,442,906	61.4
		6,697	**100.0%**	**194,625,207**	**100.0%**

AI7a.   Now I'd like your opinion. People have suggested a number of ways of improving public education. For each of the following, please tell me how much you think it might improve public education. How about… a. Enforcing stricter discipline in school. Would that improve public education a great deal, somewhat, or not much?

Variable Name	: ADISCIP	AI7A-STRICT DISCIPLINE WLD IMPROV EDU
Record Number	: 1	
Position	: 449-450	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, ADISCIP; 1995, N/A; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 GREAT DEAL	1	3,623	54.1	103,913,128	53.4
2 SOMEWHAT	2	2,284	34.1	66,876,951	34.4
3 NOT MUCH	3	790	11.8	23,835,128	12.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

AI7b.   Now I'd like your opinion. People have suggested a number of ways of improving public education. For each of the following, please tell me how much you think it might improve public education. How about… b. Not promoting students to the next grade unless they meet strict standards for what children should learn in each grade?

Variable Name	: ASTANDS	AI7B-PROMOTION STANDARD WLD IMPROV EDU
Record Number	: 1	
Position	: 451-452	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, ASTANDS; 1995, N/A; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 GREAT DEAL	1	4,338	64.8	124,382,590	63.9
2 SOMEWHAT	2	1,770	26.4	51,714,576	26.6
3 NOT MUCH	3	589	8.8	18,528,041	9.5
		6,697	**100.0%**	**194,625,207**	**100.0%**

AI7c. Now I'd like your opinion. People have suggested a number of ways of improving public education. For each of the following, please tell me how much you think it might improve public education. How about… c. Evaluating teachers according to high performance standards?

Variable Name	:	AEVAL	AI7C-TEACHR EVALUATIONS WLD IMPROV EDU
Record Number	:	1	
Position	:	453-454	
Format	:	N2	
Comment	:	Previous NHES Surveys: 1996, AEVAL; 1995, N/A; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 GREAT DEAL	1	4,661	69.6	136,073,058	69.9
2 SOMEWHAT	2	1,709	25.5	48,810,066	25.1
3 NOT MUCH	3	327	4.9	9,742,084	5.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

AI7d. Now I'd like your opinion. People have suggested a number of ways of improving public education. For each of the following, please tell me how much you think it might improve public education. How about… d. Making the school year longer?

Variable Name	:	ASCHLYR	AI7D-LONGER SCHOOL YR WLD IMPROV EDU
Record Number	:	1	
Position	:	455-456	
Format	:	N2	
Comment	:	Previous NHES Surveys: 1996, ASCHLYR; 1995, N/A; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 GREAT DEAL	1	1,209	18.1	34,955,633	18.0
2 SOMEWHAT	2	2,093	31.3	59,987,180	30.8
3 NOT MUCH	3	3,395	50.7	99,682,395	51.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ1. Now, I would like to ask you a few additional background questions. In what month and year were you born?

Variable Name	:	ADOBMM	AJ1-MONTH OF BIRTH
Record Number	:	1	
Position	:	457-458	
Format	:	N2	
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, ADOBMM; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 JANUARY	1	559	8.3	16,694,250	8.6
2 FEBRUARY	2	526	7.9	15,573,274	8.0
3 MARCH	3	512	7.6	14,856,557	7.6
4 APRIL	4	556	8.3	15,927,101	8.2
5 MAY	5	565	8.4	16,675,287	8.6
6 JUNE	6	528	7.9	15,754,370	8.1
7 JULY	7	613	9.2	17,666,070	9.1
8 AUGUST	8	606	9.0	17,652,781	9.1
9 SEPTEMBER	9	566	8.5	16,213,128	8.3
10 OCTOBER	10	567	8.5	16,209,643	8.3
11 NOVEMBER	11	551	8.2	15,473,220	8.0
12 DECEMBER	12	548	8.2	15,929,525	8.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ1. **Now, I would like to ask you a few additional background questions. In what month and year were you born?**

Variable Name	:	ADOBYY	AJ1-YEAR OF BIRTH
Record Number	:	1	
Position	:	459-462	
Format	:	N4	
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, ADOBYY; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1903-1982	1903-1982	6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ2. **Are you…**

Variable Name	:	ARACE	AJ2-RACE
Record Number	:	1	
Position	:	463-464	
Format	:	N2	
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, ARACE; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 WHITE	1	5,056	75.5	148,487,958	76.3
2 BLACK	2	805	12.0	22,589,989	11.6
3 AMERICAN INDIAN OR ALASKAN NATIVE	3	51	0.8	1,342,896	0.7
4 ASIAN OR PACIFIC ISLANDER	4	199	3.0	5,656,819	2.9
91 SOME OTHER RACE	91	586	8.8	16,547,545	8.5
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ3. **Some other race?**

Variable Name	:	AOTHRACE	AJ3-SOME OTHER RACE
Record Number	:	1	
Position	:	465-466	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 HISP/LAT/MEX/SPAN/PR	1	446	6.7	13,012,576	78.6
2 BI/MULTIRACIAL	2	95	1.4	2,152,546	13.0
91 OTHER	91	45	0.7	1,382,423	8.4
RESERVED CODE : -1 INAPPLICABLE	-1	6,111	91.2	178,077,663	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ4. **Are you of Hispanic origin?**

Variable Name	:	AHISPANI	AJ4-HISPANIC ORIGIN
Record Number	:	1	
Position	:	467-468	
Format	:	N2	
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, AHISPANI; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	677	10.1	19,491,472	10.0
2 NO	2	6,020	89.9	175,133,736	90.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ5.   What is your marital status?

Variable Name	:	AMARSTAT AJ5-CURRENT MARITAL STATUS
Record Number	:	1
Position	:	469-470
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, AMARSTAT; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 MARRIED	1	3,708	55.4	118,567,623	60.9
2 SEPARATED	2	117	1.7	3,264,124	1.7
3 DIVORCED	3	754	11.3	19,081,726	9.8
4 WIDOWED	4	428	6.4	11,991,333	6.2
5 NOT MARRIED	5	1,690	25.2	41,720,401	21.4
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ6.   In what country were you born?

Variable Name	:	ABORNUS AJ6-COUNTRY OF ORIGIN
Record Number	:	1
Position	:	471-472
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, BORNUS; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 UNITED STATES	1	5,938	88.7	171,376,045	88.1
2 U.S. TERRITORIES	2	36	0.5	984,828	0.5
3 ANOTHER COUNTRY	3	723	10.8	22,264,334	11.4
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ6OV.   How old were you when you first moved to the (United States/50 states or the District of Columbia)?

Variable Name	:	AMOVEAGE AJ6OV-AGE WHEN MOVED TO U.S.
Record Number	:	1
Position	:	473-474
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, MOVEAGE; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-78	0-78	759	11.3	23,249,162	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	5,938	88.7	171,376,045	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ6OV2.   Did you study English before you first came to the (United States/50 states or the District of Columbia)?

Variable Name	:	ASTUENG AJ6OV2-STUDY ENGLISH BEFORE CAME TO US
Record Number	:	1
Position	:	475-476
Format	:	N2
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	321	4.8	9,346,816	53.8
2 NO	2	235	3.5	8,023,132	46.2
RESERVED CODE : -1 INAPPLICABLE	-1	6,141	91.7	177,255,258	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ7. Earlier you reported that you did not work last week and were not on leave or vacation. Have you been actively looking for work in the past 4 weeks?

Variable Name	: JOBLOOK	AJ7-LOOKING FOR WORK IN PAST 4 WKS
Record Number	: 1	
Position	: 477-478	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, ALOOK; 1995, JOBLOOK; 1991, LOOKWORK	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	268	4.0	8,972,147	20.4
2 NO	2	1,175	17.5	35,080,917	79.6
RESERVED CODE : -1 INAPPLICABLE	-1	5,254	78.5	150,572,144	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ8. What have you been doing in the past 4 weeks to find work? CHECKED WITH PUBLIC EMPLOYMENT AGENCY

Variable Name	: JOBPUBL	AJ8-CHECKED WITH PUBLIC EMPLMENT AGENCY
Record Number	: 1	
Position	: 479-480	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, APUBL; 1995, JOBPUBL; 1991, LOOKPUBL	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	50	0.7	1,596,743	17.8
2 NO	2	218	3.3	7,375,403	82.2
RESERVED CODE : -1 INAPPLICABLE	-1	6,429	96.0	185,653,061	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ8. What have you been doing in the past 4 weeks to find work? CHECKED WITH PRIVATE EMPLOYMENT AGENCY

Variable Name	: JOBPRIV	AJ8-CHECKED WITH PRIV EMPLOYMENT AGENCY
Record Number	: 1	
Position	: 481-482	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, APRIV; 1995, JOBPRIV; 1991, LOOKPRIV	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	34	0.5	1,349,816	15.0
2 NO	2	234	3.5	7,622,330	85.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,429	96.0	185,653,061	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ8. What have you been doing in the past 4 weeks to find work? CHECKED WITH EMPLOYER DIRECTLY/SENT RESUME

Variable Name	: JOBEMPL	AJ8-CHECKED WITH EMPLOYER DIRECTLY
Record Number	: 1	
Position	: 483-484	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, AEMPL; 1995, JOBEMPL; 1991, LOOKEMPL	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	126	1.9	4,515,716	50.3
2 NO	2	142	2.1	4,456,430	49.7
RESERVED CODE : -1 INAPPLICABLE	-1	6,429	96.0	185,653,061	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ8.   What have you been doing in the past 4 weeks to find work? CHECKED WITH FRIENDS OR RELATIVES

Variable Name	: JOBREL	AJ8-CHECKED WITH FRIENDS OR RELATIVES
Record Number	: 1	
Position	: 485-486	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, AREL; 1995, JOBREL; 1991, LOOKFRND	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	56	0.8	2,055,478	22.9
2 NO	2	212	3.2	6,916,669	77.1
RESERVED CODE : -1 INAPPLICABLE	-1	6,429	96.0	185,653,061	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ8.   What have you been doing in the past 4 weeks to find work? PLACED OR ANSWERED ADS/SENT RESUME

Variable Name	: JOBANSAD	AJ8-PLACE OR ANSWERED ADS/SENT RESUME
Record Number	: 1	
Position	: 487-488	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, AANSAD; 1995, JOBANSAD; 1991, LOOKADS	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	76	1.1	2,498,362	27.8
2 NO	2	192	2.9	6,473,784	72.2
RESERVED CODE : -1 INAPPLICABLE	-1	6,429	96.0	185,653,061	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ8.   What have you been doing in the past 4 weeks to find work? READ WANT ADS

Variable Name	: JOBREAD	AJ8-READ WANT ADS
Record Number	: 1	
Position	: 489-490	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, AREAD; 1995, JOBREAD; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	127	1.9	4,326,145	48.2
2 NO	2	141	2.1	4,646,002	51.8
RESERVED CODE : -1 INAPPLICABLE	-1	6,429	96.0	185,653,061	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ8.   What have you been doing in the past 4 weeks to find work? SOMETHING ELSE

Variable Name	: JOBOTHER	AJ8-SOMETHING ELSE TO FIND WORK
Record Number	: 1	
Position	: 491-492	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, AOTHER; 1995, JOBOTHER; 1991, LOOKOTHR	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	33	0.5	804,152	9.0
2 NO	2	235	3.5	8,167,995	91.0
RESERVED CODE : -1 INAPPLICABLE	-1	6,429	96.0	185,653,061	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ9. **What were you doing most of last week? Would you say...**

Variable Name	:	JOBACTY	AJ9-MAIN ACT DONE MOST OF LAST WEEK
Record Number	:	1	
Position	:	493-494	
Format	:	N2	
Comment	:	Previous NHES Surveys: 1996, AACTY; 1995, JOBACTY; 1991, LASTACTY	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 KEEPING HOUSE OR CARING FOR CHILDREN	1	433	6.5	14,584,094	26.9
2 GOING TO SCHOOL	2	143	2.1	3,241,095	6.0
3 RETIRED	3	862	12.9	24,505,398	45.2
4 UNABLE TO WORK	4	210	3.1	6,795,005	12.5
91 SOMETHING ELSE	91	187	2.8	5,118,812	9.4
RESERVED CODE : -1 INAPPLICABLE	-1	4,862	72.6	140,380,802	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ10. **Could you have taken a job last week if one had been offered?**

Variable Name	:	JOBTAKE	AJ10-COULD HAVE TAKEN JOB LAST WEEK
Record Number	:	1	
Position	:	495-496	
Format	:	N2	
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, JOBTAKE; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	292	4.4	9,763,733	74.6
2 NO	2	128	1.9	3,317,874	25.4
RESERVED CODE : -1 INAPPLICABLE	-1	6,277	93.7	181,543,601	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ11. **Have you ever worked at a job for pay or income?**

Variable Name	:	JOBEVER	AJ11-EVER WORKED AT A JOB FOR PAY
Record Number	:	1	
Position	:	497-498	
Format	:	N2	
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, JOBEVER; 1991, WORKPAY	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	1,511	22.6	44,398,575	92.1
2 NO	2	118	1.8	3,794,228	7.9
RESERVED CODE : -1 INAPPLICABLE	-1	5,068	75.7	146,432,404	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ12. Earlier you reported that you worked (last week/in the past 12 months). How many months have you worked for pay or income in the past 12 months?

Variable Name	:	IBWORKMO AJ12-MONTHS WORKED FOR PAY IN PAST YEAR
Record Number	:	1
Position	:	499-500
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, AMTHS; 1995, IBWORKMO; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0	0	1,520	22.7	45,322,371	23.3
1	1	74	1.1	2,051,081	1.1
2	2	63	0.9	1,692,946	0.9
3	3	89	1.3	2,740,285	1.4
4	4	93	1.4	3,335,323	1.7
5	5	98	1.5	3,015,641	1.5
6	6	150	2.2	5,016,863	2.6
7	7	81	1.2	2,744,518	1.4
8	8	102	1.5	2,928,607	1.5
9	9	186	2.8	4,895,503	2.5
10	10	220	3.3	5,305,895	2.7
11	11	124	1.9	3,636,086	1.9
12	12	3,897	58.2	111,940,088	57.5
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ13. Were you working at more than one job for pay or income at the same time in the past week?

Variable Name	:	JOBMORE AJ13-MORE THAN ONE JOB LAST WEEK
Record Number	:	1
Position	:	501-502
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, JOBMORE; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	623	9.3	17,308,225	11.6
2 NO	2	4,554	68.0	131,994,610	88.4
RESERVED CODE : -1 INAPPLICABLE	-1	1,520	22.7	45,322,371	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ14. About how many total hours per week do you usually work for pay or income (counting all jobs)?

Variable Name	:	PAYHRS AJ14-HOURS PER WEEK WORKED FOR PAY
Record Number	:	1
Position	:	503-504
Format	:	N2
Comment	:	Previous NHES Surveys: 1996, AHOURS; 1995, PAYHRS; 1991, WORKHRS

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1-99	1-99	4,625	69.1	132,325,238	100.0
RESERVED CODE : -1 INAPPLICABLE	-1	2,072	30.9	62,299,969	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ15. (Counting all jobs,) About how much (do/did) you earn before taxes and other deductions (when you last worked)?

Variable Name	:	EARNAMT AJ15-EARNINGS
Record Number	:	1
Position	:	505-513
Format	:	N9.2
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, EARNAMT; 1991, SALARY

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-100000	0-100000	5,183	77.4	149,558,683	100.0
-1 INAPPLICABLE	-1	1,514	22.6	45,066,524	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ15. **(Counting all jobs,) About how much (do/did) you earn before taxes and other deductions (when you last worked)?**

Variable Name	: EARNUNT	AJ15-UNIT OF EARNINGS
Record Number	: 1	
Position	: 514-515	
Format	: N2	
Comment	: Previous NHES Surveys: 1996, N/A; 1995, EARNUNT; 1991, SALARY	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 HOUR	1	838	12.5	26,498,509	17.7
2 DAY	2	34	0.5	891,504	0.6
3 WEEK	3	829	12.4	27,151,685	18.2
4 BI WEEKLY	4	348	5.2	10,519,987	7.0
5 MONTH	5	496	7.4	12,811,784	8.6
6 YEAR	6	2,626	39.2	71,366,701	47.7
91 OTHER	91	12	0.2	318,512	0.2
RESERVED CODE : -1 INAPPLICABLE	-1	1,514	22.6	45,066,524	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FSIC	INDUSTRY CODE
Record Number	: 1	
Position	: 516-517	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 AGRICULTURE, FORESTRY AND FISHING	1	109	1.6	3,822,239	2.6
2 MINING	2	17	0.3	568,124	0.4
3 CONSTRUCTION	3	226	3.4	8,647,938	5.8
4 MANUFACTURING	4	750	11.2	23,970,761	16.0
5 TRANSPORTATION AND PUBLIC UTILITIES	5	330	4.9	10,262,776	6.9
6 WHOLESALE TRADE	6	89	1.3	3,472,241	2.3
7 RETAIL TRADE	7	685	10.2	22,125,404	14.8
8 FINANCE, INSURANCE, AND REAL ESTATE	8	337	5.0	8,357,878	5.6
9 SERVICES	9	974	14.5	28,045,053	18.8
10 HEALTH SERVICES	10	505	7.5	11,949,551	8.0
11 EDUCATION	11	662	9.9	15,620,096	10.4
12 PUBLIC ADMINISTRATION	12	402	6.0	9,894,207	6.6
13 NONCLASSIFIABLE ESTABLISHMENTS	13	97	1.4	2,822,416	1.9
RESERVED CODE : -1 INAPPLICABLE	-1	1,514	22.6	45,066,524	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : FSOC   OCCUPATION CODE
Record Number : 1
Position : 518-519
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 EXECUTIVE, ADMIN, MANAGERIAL OCCUP	1	1,020	15.2	28,665,077	19.2
2 ENGINEERS, SURVEYORS AND ARCHITECTS	2	86	1.3	1,872,257	1.3
3 NATURAL SCIENTISTS AND MATHEMATICIANS	3	95	1.4	2,387,209	1.6
4 SOCIAL SCIENTISTS/WORKERS, LAWYERS	4	148	2.2	3,216,360	2.2
5 TEACHERS; COLLEGE/UNIV/POSTSECONDARY	5	110	1.6	2,582,307	1.7
6 TEACHERS, EXCEPT POSTSECONDARY	6	325	4.9	6,777,961	4.5
7 PHYSICIANS, DENTISTS, VETERINARIANS	7	28	0.4	884,335	0.6
8 REGISTERED NURSES, PHARMACISTS	8	152	2.3	3,034,043	2.0
9 WRITERS/ARTISTS/ENTERTAINERS/ATHLETES	9	93	1.4	2,387,759	1.6
10 HEALTH TECHNOLOGISTS AND TECHNICIANS	10	102	1.5	2,076,870	1.4
11 TECHNOLOGISTS, EXCEPT HEALTH	11	171	2.6	5,236,917	3.5
12 MARKETING AND SALES OCCUPATIONS	12	495	7.4	14,625,547	9.8
13 ADMINISTRATIVE SUPPORT, INCL CLERICAL	13	783	11.7	22,276,401	14.9
14 SERVICE OCCUPATIONS	14	585	8.7	18,191,841	12.2
15 AGRICULTURE, FORESTRY, FISHING	15	67	1.0	2,532,104	1.7
16 MECHANICS AND REPAIRS	16	128	1.9	4,519,250	3.0
17 CONSTRUCTION AND EXTRACTIVE OCCUP	17	134	2.0	5,200,492	3.5
18 PRECISION PRODUCTION OCCUPATION	18	48	0.7	1,459,601	1.0
19 PRODUCTION WORKING OCCUPATION	19	289	4.3	10,120,983	6.8
20 TRANSPORTATION, MATERIAL MOVING	20	164	2.4	5,476,347	3.7
21 HANDLER/EQUIP/CLEANER/HELPERS/LAB	21	93	1.4	3,873,742	2.6
22 MISCELLANEOUS OCCUPATION	22	67	1.0	2,161,280	1.4
RESERVED CODE : -1 INAPPLICABLE	-1	1,514	22.6	45,066,524	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AJ18.   **Does your occupation have legal or professional requirements for continuing training or education?**

Variable Name : CONTREQ   AJ18-REQUIRED CONTINUING EDUCATION
Record Number : 1
Position : 520-521
Format : N2
Comment : Previous NHES Surveys: 1996, N/A; 1995, REQUIRMN; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	2,044	30.5	54,288,348	36.3
2 NO	2	3,139	46.9	95,270,335	63.7
RESERVED CODE : -1 INAPPLICABLE	-1	1,514	22.6	45,066,524	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AK1.   **Do you...**

Variable Name : HOWNHOME   AK1-OWN, RENT HOME/OTHR ARRANGMNT
Record Number : 1
Position : 522-523
Format : N2
Comment : Previous NHES Surveys: 1996, HOWNHOME; 1995, HOWNHOME; 1991, OWNHOME

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 OWN HOME	1	4,260	63.6	122,034,673	62.7
2 RENT HOME	2	1,815	27.1	54,979,874	28.2
3 OTHR ARRNGMNT	3	622	9.3	17,610,661	9.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

AK2. Besides (PHONE NUMBER), do you have other telephone numbers in your household?

Variable Name	:	HOTHNUM	AK2-OTHER TELEPHONE NUMBER IN HH
Record Number	:	1	
Position	:	524-525	
Format	:	N2	
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, HOTHNUM; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	1,299	19.4	59,342,499	30.5
2 NO	2	5,398	80.6	135,282,708	69.5
		6,697	**100.0%**	**194,625,207**	**100.0%**

AK3. How many of these additional telephone numbers are for home use?

Variable Name	:	HNUMUSE	AK3-HOW MANY OTH PHN NUM FOR HM USE
Record Number	:	1	
Position	:	526-527	
Format	:	N2	
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, HNUMUSE; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0	0	258	3.9	6,444,660	10.9
1	1	822	12.3	41,238,084	69.5
2	2	177	2.6	9,345,674	15.7
3	3	34	0.5	1,888,788	3.2
4	4	5	0.1	243,301	0.4
5	5	2	0.0	173,939	0.3
6	6	1	0.0	8,053	0.0
RESERVED CODE : -1 INAPPLICABLE	-1	5,398	80.6	135,282,708	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AK5a. In the past 12 months, has your family received funds or services from any of the following programs? How about… a. Women, Infants, and Children, or WIC?

Variable Name	:	HWIC	AK5A-FAMILY RECD WIC PAST 12 MO
Record Number	:	1	
Position	:	528-529	
Format	:	N2	
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, HWIC; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	214	3.2	9,297,244	9.7
2 NO	2	2,084	31.1	86,365,863	90.3
RESERVED CODE : -1 INAPPLICABLE	-1	4,399	65.7	98,962,100	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AK5b. In the past 12 months, has your family received funds or services from any of the following programs? How about… b. Food Stamps?

Variable Name	:	HFOODST	AK5B-FAMILY RECD FOOD STMPS PAST 12 MO
Record Number	:	1	
Position	:	530-531	
Format	:	N2	
Comment	:	Previous NHES Surveys: 1996, N/A; 1995, HFOODST; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	144	2.2	6,544,927	6.8
2 NO	2	2,154	32.2	89,118,180	93.2
RESERVED CODE : -1 INAPPLICABLE	-1	4,399	65.7	98,962,100	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AK5c. **In the past 12 months, has your family received funds or services from any of the following programs? How about… c. Temporary Assistance to Needy Families, AFDC, or your state welfare program?**

Variable Name : HAFDC AK5C-FAMILY RECD TANF/AFDC PAST 12 MO
Record Number : 1
Position : 532-533
Format : N2
Comment : Previous NHES Surveys: 1996, N/A; 1995, HAFDC; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 YES	1	106	1.6	4,302,442	4.5
2 NO	2	2,192	32.7	91,360,665	95.5
RESERVED CODE : -1 INAPPLICABLE	-1	4,399	65.7	98,962,100	
		6,697	**100.0%**	**194,625,207**	**100.0%**

AK6. **In studies like this, households are sometimes grouped according to income. What was the total income of all persons in your household over the past year, including salaries or other earnings, interest, retirement, and so on for all household members? Was it...**

Variable Name : HINCMRNG AK6-TOTAL HOUSEHOLD INCOME RANGE
Record Number : 1
Position : 534-535
Format : N2
Comment : Previous NHES Surveys: 1996, HINCMRNG; 1995, HINCMRNG; 1991, N/A

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 UNDER $25,000	1	1,731	25.8	51,883,934	26.7
2 $25,000 OR MORE	2	4,966	74.2	142,741,273	73.3
		6,697	**100.0%**	**194,625,207**	**100.0%**

AK6. **In studies like this, households are sometimes grouped according to income. What was the total income of all persons in your household over the past year, including salaries or other earnings, interest, retirement, and so on for all household members? Was it...**

Variable Name : HINCOME AK6-TOTAL HOUSEHOLD INCOME
Record Number : 1
Position : 536-537
Format : N2
Comment : Previous NHES Surveys: 1996, HINCOME; 1995, HINCOME; 1991, INCOMRNG

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 $5,000 OR LESS	1	211	3.2	5,306,114	2.7
2 $5,001 - $10K	2	300	4.5	9,028,520	4.6
3 $10,001 - $15K	3	345	5.2	11,112,868	5.7
4 $15,001 - $20K	4	429	6.4	12,572,262	6.5
5 $20,001 - $25K	5	446	6.7	13,864,170	7.1
6 $25,001 - $30K	6	543	8.1	16,794,221	8.6
7 $30,001 - $35K	7	467	7.0	11,870,603	6.1
8 $35,001 - $40K	8	502	7.5	13,094,650	6.7
9 $40,001 - $50K	9	744	11.1	20,006,958	10.3
10 $50,001 - $75K	10	1,279	19.1	34,643,266	17.8
11 MORE THAN $75k	11	1,431	21.4	46,331,576	23.8
		6,697	**100.0%**	**194,625,207**	**100.0%**

AK6OV. What was your total household income last year, to the nearest thousand?

Variable Name	**:** HINCMEXT	AK6OV-EXACT HH INC NEAREST $1000
Record Number	**:** 1	
Position	**:** 538-542	
Format	**:** N5	
Comment	**:** Previous NHES Surveys: 1996, HINCMEXT; 1995, HINCMEXT; 1991, N/A	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-32000	0-32000	689	10.3	24,855,955	100.0
-1 INAPPLICABLE	-1	6,008	89.7	169,769,252	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** AELABOR	D-LABOR FORCE STATUS
Record Number	**:** 1	
Position	**:** 543-544	
Format	**:** N2	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 EMPLOYED IN LABOR FORCE	1	4,629	69.1	132,418,008	68.0
2 UNEMPLOYED IN LABOR FORCE	2	233	3.5	7,962,794	4.1
3 NOT IN LABOR FORCE	3	1,835	27.4	54,244,405	27.9
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** AELABOR2	D-LABOR FORCE STATUS-2
Record Number	**:** 1	
Position	**:** 545-546	
Format	**:** N2	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 EMPLOYED IN LABOR FORCE	1	4,629	69.1	132,418,008	68.0
2 UNEMPLOYED IN LABOR FORCE	2	210	3.1	7,509,651	3.9
3 NOT IN LABOR FORCE	3	1,858	27.7	54,697,548	28.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** AEPARANY	D-PARTICIPATION-ALL TYPES OF AE
Record Number	**:** 1	
Position	**:** 547-548	
Format	**:** N2	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NO	0	2,698	40.3	97,799,532	50.3
1 YES	1	3,999	59.7	96,825,675	49.7
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** AEPARTIC	D-PARTICIPATION-EXC FULL-TIME CRED
Record Number	**:** 1	
Position	**:** 549-550	
Format	**:** N2	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NO	0	3,051	45.6	105,625,293	54.3
1 YES	1	3,646	54.4	88,999,914	45.7
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : ANYSUPP   D-EMPLOYER SUPPORT-ANY ADULT EDUCATION
Record Number : 1
Position : 551-552
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NO	0	913	13.6	20,285,693	28.1
1 YES	1	2,181	32.6	51,882,847	71.9
RESERVED CODE : -1 NONPARTICIPANT	-1	3,603	53.8	122,456,667	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSPARTIC   D-PARTICIPATION - ABE/GED OR ESL CLASSES
Record Number : 1
Position : 553-554
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NO	0	6,539	97.6	189,651,617	97.4
1 YES	1	158	2.4	4,973,590	2.6
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSSUPP   D-EMPLOYER SUPPORTED ABE/GED CLASSES
Record Number : 1
Position : 555-556
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NO	0	87	1.3	2,922,344	80.2
1 YES	1	20	0.3	720,155	19.8
RESERVED CODE : -1 NONPARTICIPANT	-1	6,590	98.4	190,982,708	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSTIMED   D-HOURS PER WEEK IN ABE/GED CLASSES
Record Number : 1
Position : 557-558
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1-36	1-36	107	1.6	3,642,499	100.0
RESERVED CODE : -1 NONPARTICIPANT	-1	6,590	98.4	190,982,708	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSWEEK   D-WEEKS IN ABE/GED CLASSES
Record Number : 1
Position : 559-560
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1-52	1-52	107	1.6	3,642,499	100.0
RESERVED CODE : -1 NONPARTICIPANT	-1	6,590	98.4	190,982,708	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : CENREG   D-CENSUS REGION
Record Number : 1
Position : 561-562
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 NORTHEAST	1	1,162	17.4	39,760,210	20.4
2 SOUTH	2	2,566	38.3	66,864,783	34.4
3 MIDWEST	3	1,451	21.7	46,693,039	24.0
4 WEST	4	1,518	22.7	41,307,175	21.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : CRDIPART   D-PARTICIPATION-CREDENTIAL PROGRAMS
Record Number : 1
Position : 563-564
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NO	0	5,260	78.5	162,321,679	83.4
1 YES	1	1,437	21.5	32,303,528	16.6
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : CRSUPP   D-EMPLOYER SUPPORT-CRED PRGM
Record Number : 1
Position : 565-566
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NO	0	728	10.9	15,704,997	48.6
1 YES	1	709	10.6	16,598,531	51.4
RESERVED CODE : -1 NONPARTICIPANT	-1	5,260	78.5	162,321,679	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : DISTEDUC   D-PARTICIPATION IN DISTANCE EDUCATION
Record Number : 1
Position : 567-568
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NO	0	3,630	54.2	87,885,721	91.8
1 YES	1	336	5.0	7,871,720	8.2
RESERVED CODE : -1 NONPARTICIPANT	-1	2,731	40.8	98,867,766	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : EDUCLEVL   D-EDUCATIONAL ATTAINMENT
Record Number : 1
Position : 569-570
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 NO HIGH SCHOOL DIPL	1	672	10.0	32,643,950	16.8
2 HS DIPL/EQUIV	2	1,779	26.6	53,487,891	27.5
3 SOME COLL/ASSOCIATE	3	1,992	29.7	52,842,697	27.2
4 BACH DEGREE OR HIGHER	4	2,254	33.7	55,650,668	28.6
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	ESSUPP	D-EMPLOYER SUPPORT-ESL CLASSES
Record Number	:	1	
Position	:	571-572	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NO	0	60	0.9	1,514,109	88.9
1 YES	1	8	0.1	189,810	11.1
RESERVED CODE : -1 NONPARTICIPANT	-1	6,629	99.0	192,921,288	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	ESTIMED	D-HOURS PER WEEK IN ESL CLASSES
Record Number	:	1	
Position	:	573-574	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1-20	1-20	68	1.0	1,703,919	100.0
RESERVED CODE : -1 NONPARTICIPANT	-1	6,629	99.0	192,921,288	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	ESWEEK	D-WEEKS IN ESL CLASSES
Record Number	:	1	
Position	:	575-576	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1-48	1-48	68	1.0	1,703,919	100.0
RESERVED CODE : -1 NONPARTICIPANT	-1	6,629	99.0	192,921,288	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	HH18OVER	D-NUMBER OF HH MEMBERS 18 AND OLDER
Record Number	:	1	
Position	:	577-578	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0	0	1	0.0	8,536	0.0
1	1	1,526	22.8	30,444,126	15.6
2	2	3,919	58.5	111,747,174	57.4
3	3	911	13.6	35,058,616	18.0
4	4	277	4.1	13,648,393	7.0
5	5	50	0.7	2,494,355	1.3
6	6	10	0.1	612,914	0.3
7	7	3	0.0	611,094	0.3
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : HHTOTAL   D-TOTAL NUMBER OF HOUSEHOLD MEMBERS
Record Number : 1
Position : 579-580
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1	1	1,297	19.4	23,160,022	11.9
2	2	2,782	41.5	63,719,326	32.7
3	3	1,134	16.9	38,633,912	19.9
4	4	902	13.5	39,590,106	20.3
5	5	368	5.5	16,428,252	8.4
6	6	128	1.9	7,605,321	3.9
7	7	54	0.8	2,927,095	1.5
8	8	16	0.2	1,128,863	0.6
9	9	9	0.1	690,770	0.4
10	10	2	0.0	123,902	0.1
11	11	2	0.0	61,329	0.0
12	12	3	0.0	556,309	0.3
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : HHUNDR18   D-NUMBER OF HH MEMBERS YOUNGER THAN 18
Record Number : 1
Position : 581-582
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0	0	4,821	72.0	111,069,802	57.1
1	1	746	11.1	33,498,829	17.2
2	2	722	10.8	30,836,965	15.8
3	3	282	4.2	12,772,861	6.6
4	4	84	1.3	4,067,734	2.1
5	5	26	0.4	1,633,305	0.8
6	6	12	0.2	559,890	0.3
7	7	1	0.0	73,129	0.0
8	8	1	0.0	39,580	0.0
9	9	1	0.0	21,750	0.0
10	10	1	0.0	51,364	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : HIGHEDUC   D-HIGHEST DEGREE OR CREDENTIAL OBTAINED
Record Number : 1
Position : 583-584
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 LESS THAN HIGH SCHOOL DIPLOMA	1	689	10.3	33,343,398	17.1
2 HIGH SCHOOL DIPLOMA OR ITS EQUIVALENT	2	3,300	49.3	94,254,588	48.4
3 ASSOCIATE'S DEGREE	3	454	6.8	11,376,552	5.8
4 BACHELOR'S DEGREE OR HIGHER	4	2,254	33.7	55,650,668	28.6
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : RACEETH2   D-RACE/ETHNICITY-2
Record Number : 1
Position : 585-586
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 WHITE, NON-HISPANIC	1	4,893	73.1	143,869,677	73.9
2 BLACK, NON-HISPANIC	2	780	11.6	22,128,766	11.4
3 HISPANIC	3	677	10.1	19,491,472	10.0
4 ASIAN OR PACIFIC ISLANDER	4	191	2.9	5,328,450	2.7
5 ALL OTHER RACES	5	156	2.3	3,806,843	2.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : RACEETHN   D-RACE/ETHNICITY
Record Number : 1
Position : 587-588
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 WHITE, NON-HISPANIC	1	4,893	73.1	143,869,677	73.9
2 BLACK, NON-HISPANIC	2	780	11.6	22,128,766	11.4
3 HISPANIC	3	677	10.1	19,491,472	10.0
4 ALL OTHER RACES	4	347	5.2	9,135,293	4.7
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRNEW   D-TOTAL NUMBER OF WRK-REL CRS AT AF2
Record Number : 1
Position : 589-590
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1	1	876	13.1	20,146,006	44.9
2	2	458	6.8	10,707,488	23.9
3	3	283	4.2	6,495,053	14.5
4	4	147	2.2	3,341,139	7.4
5	5	71	1.1	1,819,843	4.1
6	6	49	0.7	1,146,657	2.6
7	7	20	0.3	440,953	1.0
8	8	15	0.2	334,484	0.7
9	9	7	0.1	147,256	0.3
10	10	8	0.1	122,820	0.3
11	11	3	0.0	42,262	0.1
12	12	4	0.1	85,820	0.2
14	14	2	0.0	33,632	0.1
RESERVED CODE : -1 NO WRK CRSE	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRSUPP   D-EMPLOYER SUPPORT-WORK-REL COURSES
Record Number : 1
Position : 591-592
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NO	0	272	4.1	5,670,723	12.6
1 YES	1	1,671	25.0	39,192,689	87.4
RESERVED CODE : -1 NONPARTICIPANT	-1	4,754	71.0	149,761,795	
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : ZIP18PO2   D-PERCENT UNDER 18 BELOW POVERTY LINE
Record Number : 1
Position : 593-594
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 LESS THAN 5 PERCENT	1	2,637	39.4	84,670,200	43.5
2 5 - 9 PERCENT	2	2,040	30.5	60,496,840	31.1
3 10 - 19 PERCENT	3	1,494	22.3	36,830,750	18.9
4 20 PERCENT OR MORE	4	526	7.9	12,627,417	6.5
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : ZIPBLHI2   D-PERCENT BLACK OR HISPANIC
Record Number : 1
Position : 595-596
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1 LESS THAN 6 PERCENT	1	2,190	32.7	79,343,890	40.8
2 6 - 15 PERCENT	2	1,439	21.5	44,527,837	22.9
3 16 - 40 PERCENT	3	1,711	25.5	39,170,043	20.1
4 41 PERCENT OR MORE	4	1,357	20.3	31,583,437	16.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : ZIPURBAN   D-LIVE IN INSIDE, OUTSIDE URBANIZED AREA
Record Number : 1
Position : 597-598
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
URBAN, INSIDE UA	1	4,548	67.9	125,106,787	64.3
URBAN, OUTSIDE UA	2	766	11.4	21,268,364	10.9
RURAL	3	1,383	20.7	48,250,056	24.8
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : FAWT   FINAL ADULT INTV WEIGHT
Record Number : 1
Position : 599-608
Format : N10.3
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
2651.69-397575.60		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : FAWT1   FINAL ADULT INTV WEIGHT, REPL 1
Record Number : 1
Position : 609-618
Format : N10.3
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-402903.27		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : FAWT2   FINAL ADULT INTV WEIGHT, REPL 2
Record Number : 1
Position : 619-628
Format : N10.3
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-399805.28		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : FAWT3   FINAL ADULT INTV WEIGHT, REPL 3
Record Number : 1
Position : 629-638
Format : N10.3
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-399991.88		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : FAWT4   FINAL ADULT INTV WEIGHT, REPL 4
Record Number : 1
Position : 639-648
Format : N10.3
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-412933.42		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : FAWT5   FINAL ADULT INTV WEIGHT, REPL 5
Record Number : 1
Position : 649-658
Format : N10.3
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-401698.53		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : FAWT6   FINAL ADULT INTV WEIGHT, REPL 6
Record Number : 1
Position : 659-668
Format : N10.3
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-404096.44		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : FAWT7   FINAL ADULT INTV WEIGHT, REPL 7
Record Number : 1
Position : 669-678
Format : N10.3
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-403754.68		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : FAWT8   FINAL ADULT INTV WEIGHT, REPL 8
Record Number : 1
Position : 679-688
Format : N10.3
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-400116.28		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT9	FINAL ADULT INTV WEIGHT, REPL 9
Record Number	**:** 1
Position	**:** 689-698
Format	**:** N10.3
Comment	**:**

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-402120.88		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT10	FINAL ADULT INTV WEIGHT, REPL 10
Record Number	**:** 1
Position	**:** 699-708
Format	**:** N10.3
Comment	**:**

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-407336.06		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT11	FINAL ADULT INTV WEIGHT, REPL 11
Record Number	**:** 1
Position	**:** 709-718
Format	**:** N10.3
Comment	**:**

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-399463.34		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT12	FINAL ADULT INTV WEIGHT, REPL 12
Record Number	**:** 1
Position	**:** 719-728
Format	**:** N10.3
Comment	**:**

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-398893.36		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT13	FINAL ADULT INTV WEIGHT, REPL 13
Record Number	**:** 1
Position	**:** 729-738
Format	**:** N10.3
Comment	**:**

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-406923.38		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT14	FINAL ADULT INTV WEIGHT, REPL 14
Record Number	**:** 1
Position	**:** 739-748
Format	**:** N10.3
Comment	**:**

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-399633.95		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT15	FINAL ADULT INTV WEIGHT, REPL 15
Record Number	**:**	1	
Position	**:**	749-758	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-408450.82		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT16	FINAL ADULT INTV WEIGHT, REPL 16
Record Number	**:**	1	
Position	**:**	759-768	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-409348.96		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT17	FINAL ADULT INTV WEIGHT, REPL 17
Record Number	**:**	1	
Position	**:**	769-778	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-401750.18		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT18	FINAL ADULT INTV WEIGHT, REPL 18
Record Number	**:**	1	
Position	**:**	779-788	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-403649.21		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT19	FINAL ADULT INTV WEIGHT, REPL 19
Record Number	**:**	1	
Position	**:**	789-798	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-402486.81		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT20	FINAL ADULT INTV WEIGHT, REPL 20
Record Number	**:**	1	
Position	**:**	799-808	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-399508.42		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT21	FINAL ADULT INTV WEIGHT, REPL 21
Record Number	: 1	
Position	: 809-818	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-400709.92		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT22	FINAL ADULT INTV WEIGHT, REPL 22
Record Number	: 1	
Position	: 819-828	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-396566.76		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT23	FINAL ADULT INTV WEIGHT, REPL 23
Record Number	: 1	
Position	: 829-838	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-398922.90		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT24	FINAL ADULT INTV WEIGHT, REPL 24
Record Number	: 1	
Position	: 839-848	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-399498.72		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT25	FINAL ADULT INTV WEIGHT, REPL 25
Record Number	: 1	
Position	: 849-858	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-401063.34		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT26	FINAL ADULT INTV WEIGHT, REPL 26
Record Number	: 1	
Position	: 859-868	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-396626.37		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT27	FINAL ADULT INTV WEIGHT, REPL 27
Record Number	**:**	1	
Position	**:**	869-878	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-400437.46		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT28	FINAL ADULT INTV WEIGHT, REPL 28
Record Number	**:**	1	
Position	**:**	879-888	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-406245.67		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT29	FINAL ADULT INTV WEIGHT, REPL 29
Record Number	**:**	1	
Position	**:**	889-898	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-394238.02		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT30	FINAL ADULT INTV WEIGHT, REPL 30
Record Number	**:**	1	
Position	**:**	899-908	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-396497.81		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT31	FINAL ADULT INTV WEIGHT, REPL 31
Record Number	**:**	1	
Position	**:**	909-918	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-401770.10		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT32	FINAL ADULT INTV WEIGHT, REPL 32
Record Number	**:**	1	
Position	**:**	919-928	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-394729.20		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT33	FINAL ADULT INTV WEIGHT, REPL 33
Record Number	**:** 1	
Position	**:** 929-938	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-402217.63		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT34	FINAL ADULT INTV WEIGHT, REPL 34
Record Number	**:** 1	
Position	**:** 939-948	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-405242.77		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT35	FINAL ADULT INTV WEIGHT, REPL 35
Record Number	**:** 1	
Position	**:** 949-958	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-403105.93		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT36	FINAL ADULT INTV WEIGHT, REPL 36
Record Number	**:** 1	
Position	**:** 959-968	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-408654.39		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT37	FINAL ADULT INTV WEIGHT, REPL 37
Record Number	**:** 1	
Position	**:** 969-978	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-402522.19		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT38	FINAL ADULT INTV WEIGHT, REPL 38
Record Number	**:** 1	
Position	**:** 979-988	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-294737.23		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT39	FINAL ADULT INTV WEIGHT, REPL 39
Record Number	: 1	
Position	: 989-998	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-400514.77		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT40	FINAL ADULT INTV WEIGHT, REPL 40
Record Number	: 1	
Position	: 999-1008	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-402182.96		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT41	FINAL ADULT INTV WEIGHT, REPL 41
Record Number	: 1	
Position	: 1009-1018	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-396466.50		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT42	FINAL ADULT INTV WEIGHT, REPL 42
Record Number	: 1	
Position	: 1019-1028	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-401533.44		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT43	FINAL ADULT INTV WEIGHT, REPL 43
Record Number	: 1	
Position	: 1029-1038	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-396928.37		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT44	FINAL ADULT INTV WEIGHT, REPL 44
Record Number	: 1	
Position	: 1039-1048	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-402856.23		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : FAWT45   FINAL ADULT INTV WEIGHT, REPL 45
Record Number : 1
Position : 1049-1058
Format : N10.3
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-400180.54		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : FAWT46   FINAL ADULT INTV WEIGHT, REPL 46
Record Number : 1
Position : 1059-1068
Format : N10.3
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-405004.61		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : FAWT47   FINAL ADULT INTV WEIGHT, REPL 47
Record Number : 1
Position : 1069-1078
Format : N10.3
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-401860.08		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : FAWT48   FINAL ADULT INTV WEIGHT, REPL 48
Record Number : 1
Position : 1079-1088
Format : N10.3
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-402079.50		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : FAWT49   FINAL ADULT INTV WEIGHT, REPL 49
Record Number : 1
Position : 1089-1098
Format : N10.3
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-400164.00		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : FAWT50   FINAL ADULT INTV WEIGHT, REPL 50
Record Number : 1
Position : 1099-1108
Format : N10.3
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-392053.75		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT51	FINAL ADULT INTV WEIGHT, REPL 51
Record Number	**:** 1	
Position	**:** 1109-1118	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-397923.42		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT52	FINAL ADULT INTV WEIGHT, REPL 52
Record Number	**:** 1	
Position	**:** 1119-1128	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-407833.43		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT53	FINAL ADULT INTV WEIGHT, REPL 53
Record Number	**:** 1	
Position	**:** 1129-1138	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-406039.78		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT54	FINAL ADULT INTV WEIGHT, REPL 54
Record Number	**:** 1	
Position	**:** 1139-1148	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-402643.83		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT55	FINAL ADULT INTV WEIGHT, REPL 55
Record Number	**:** 1	
Position	**:** 1149-1158	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-400093.04		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT56	FINAL ADULT INTV WEIGHT, REPL 56
Record Number	**:** 1	
Position	**:** 1159-1168	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-398004.14		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT57	FINAL ADULT INTV WEIGHT, REPL 57
Record Number	**:**	1	
Position	**:**	1169-1178	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-404571.17		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT58	FINAL ADULT INTV WEIGHT, REPL 58
Record Number	**:**	1	
Position	**:**	1179-1188	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-403728.55		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT59	FINAL ADULT INTV WEIGHT, REPL 59
Record Number	**:**	1	
Position	**:**	1189-1198	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-399761.53		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT60	FINAL ADULT INTV WEIGHT, REPL 60
Record Number	**:**	1	
Position	**:**	1199-1208	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-397853.44		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT61	FINAL ADULT INTV WEIGHT, REPL 61
Record Number	**:**	1	
Position	**:**	1209-1218	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-404954.73		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:**	FAWT62	FINAL ADULT INTV WEIGHT, REPL 62
Record Number	**:**	1	
Position	**:**	1219-1228	
Format	**:**	N10.3	
Comment	**:**		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-398873.23		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT63	FINAL ADULT INTV WEIGHT, REPL 63
Record Number	: 1	
Position	: 1229-1238	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-411834.70		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT64	FINAL ADULT INTV WEIGHT, REPL 64
Record Number	: 1	
Position	: 1239-1248	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-407754.44		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT65	FINAL ADULT INTV WEIGHT, REPL 65
Record Number	: 1	
Position	: 1249-1258	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-399930.59		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT66	FINAL ADULT INTV WEIGHT, REPL 66
Record Number	: 1	
Position	: 1259-1268	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-405952.31		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT67	FINAL ADULT INTV WEIGHT, REPL 67
Record Number	: 1	
Position	: 1269-1278	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-403133.33		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT68	FINAL ADULT INTV WEIGHT, REPL 68
Record Number	: 1	
Position	: 1279-1288	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-403739.66		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT69	FINAL ADULT INTV WEIGHT, REPL 69
Record Number	**:** 1	
Position	**:** 1289-1298	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-403812.82		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT70	FINAL ADULT INTV WEIGHT, REPL 70
Record Number	**:** 1	
Position	**:** 1299-1308	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-400019.27		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT71	FINAL ADULT INTV WEIGHT, REPL 71
Record Number	**:** 1	
Position	**:** 1309-1318	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-398233.20		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT72	FINAL ADULT INTV WEIGHT, REPL 72
Record Number	**:** 1	
Position	**:** 1319-1328	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-405052.41		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT73	FINAL ADULT INTV WEIGHT, REPL 73
Record Number	**:** 1	
Position	**:** 1329-1338	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-415210.69		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	**:** FAWT74	FINAL ADULT INTV WEIGHT, REPL 74
Record Number	**:** 1	
Position	**:** 1339-1348	
Format	**:** N10.3	
Comment	**:**	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-401666.70		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT75	FINAL ADULT INTV WEIGHT, REPL 75
Record Number	: 1	
Position	: 1349-1358	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-409705.14		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT76	FINAL ADULT INTV WEIGHT, REPL 76
Record Number	: 1	
Position	: 1359-1368	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-405829.85		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT77	FINAL ADULT INTV WEIGHT, REPL 77
Record Number	: 1	
Position	: 1369-1378	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-404274.40		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT78	FINAL ADULT INTV WEIGHT, REPL 78
Record Number	: 1	
Position	: 1379-1388	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-396976.70		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT79	FINAL ADULT INTV WEIGHT, REPL 79
Record Number	: 1	
Position	: 1389-1398	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-402060.89		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FAWT80	FINAL ADULT INTV WEIGHT, REPL 80
Record Number	: 1	
Position	: 1399-1408	
Format	: N10.3	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0-406610.40		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: APSU	PSU FOR TAYLOR SERIES VAR ESTIMATION
Record Number	: 1	
Position	: 1409-1412	
Format	: N4	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1-3585		6,697	100.0	194,625,207	100.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: ASTRATUM	STRATUM FOR TAYLOR SERIES VAR ESTIMATION
Record Number	: 1	
Position	: 1413-1414	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
1	1	3,585	53.5	131,086,619	67.4
2	2	3,112	46.5	63,538,588	32.6
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: AGF1	IMPUTATION FLAG
Record Number	: 1	
Position	: 1415-1416	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,662	99.5	193,660,846	99.5
3 IMPUTED MANUALLY	3	35	0.5	964,362	0.5
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: SEF1	IMPUTATION FLAG
Record Number	: 1	
Position	: 1417-1418	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,569,023	100.0
3 IMPUTED MANUALLY	3	1	0.0	56,184	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: AGF2	IMPUTATION FLAG
Record Number	: 1	
Position	: 1419-1420	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,683	99.8	194,178,616	99.8
3 IMPUTED MANUALLY	3	14	0.2	446,591	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SEF2 IMPUTATION FLAG
Record Number : 1
Position : 1421-1422
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,569,023	100.0
3 IMPUTED MANUALLY	3	1	0.0	56,184	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : AGF3 IMPUTATION FLAG
Record Number : 1
Position : 1423-1424
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,684	99.8	193,882,188	99.6
3 IMPUTED MANUALLY	3	13	0.2	743,019	0.4
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : AGF4 IMPUTATION FLAG
Record Number : 1
Position : 1425-1426
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,695	100.0	194,525,323	99.9
3 IMPUTED MANUALLY	3	2	0.0	99,884	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : AGF5 IMPUTATION FLAG
Record Number : 1
Position : 1427-1428
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,450,802	99.9
3 IMPUTED MANUALLY	3	1	0.0	174,405	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : AGF6 IMPUTATION FLAG
Record Number : 1
Position : 1429-1430
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,590,485	100.0
3 IMPUTED MANUALLY	3	1	0.0	34,723	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: IBGRADF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1431-1432	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,674	99.7	193,526,668	99.4
3 IMPUTED MANUALLY	3	23	0.3	1,098,539	0.6
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: IBGRAF1	IMPUTATION FLAG
Record Number	: 1	
Position	: 1433-1434	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,692	99.9	194,314,452	99.8
3 IMPUTED MANUALLY	3	5	0.1	310,755	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: IBGRAF2	IMPUTATION FLAG
Record Number	: 1	
Position	: 1435-1436	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,690	99.9	194,308,267	99.8
3 IMPUTED MANUALLY	3	7	0.1	316,940	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: IBVOCDIF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1437-1438	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,690	99.9	194,409,002	99.9
3 IMPUTED MANUALLY	3	7	0.1	216,206	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: IBDIPF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1439-1440	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,694	100.0	194,436,444	99.9
3 IMPUTED MANUALLY	3	3	0.0	188,763	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: IBUSDIPF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1441-1442	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,694	100.0	194,519,064	99.9
1 IMPUTED/NO RECODING	1	1	0.0	45,960	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	33,182	0.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	27,001	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: IBDIPLYF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1443-1444	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,695	100.0	194,573,622	100.0
2 IMPUTED AFTER RECODING	2	1	0.0	33,182	0.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	18,403	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: IBGEF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1445-1446	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,678	99.7	194,051,575	99.7
2 IMPUTED AFTER RECODING	2	2	0.0	159,106	0.1
3 IMPUTED MANUALLY	3	1	0.0	7,122	0.0
4 IMPUTED FROM DON'T KNOW	4	16	0.2	407,403	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: IBWORF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1447-1448	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,692	99.9	194,501,412	99.9
1 IMPUTED/NO RECODING	1	4	0.1	110,591	0.1
4 IMPUTED FROM DON'T KNOW	4	1	0.0	13,204	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: IBLEAVF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1449-1450	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,694	100.0	194,427,641	99.9
1 IMPUTED/NO RECODING	1	2	0.0	155,548	0.1
4 IMPUTED FROM DON'T KNOW	4	1	0.0	42,018	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : IBWORF12   IMPUTATION FLAG
Record Number : 1
Position : 1451-1452
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,690	99.9	194,296,413	99.8
1 IMPUTED/NO RECODING	1	4	0.1	128,901	0.1
4 IMPUTED FROM DON'T KNOW	4	3	0.0	199,893	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : IBLANF   IMPUTATION FLAG
Record Number : 1
Position : 1453-1454
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,692	99.9	194,442,395	99.9
3 IMPUTED MANUALLY	3	5	0.1	182,812	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : IBSPEAF   IMPUTATION FLAG
Record Number : 1
Position : 1455-1456
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,593,491	100.0
3 IMPUTED MANUALLY	3	1	0.0	31,716	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : READENGF   IMPUTATION FLAG
Record Number : 1
Position : 1457-1458
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,589,105	100.0
2 IMPUTED AFTER RECODING	2	1	0.0	36,102	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRITENGF   IMPUTATION FLAG
Record Number : 1
Position : 1459-1460
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,695	100.0	194,568,625	100.0
2 IMPUTED AFTER RECODING	2	1	0.0	36,102	0.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	20,480	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : ESLANF IMPUTATION FLAG
Record Number : 1
Position : 1461-1462
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,589,105	100.0
2 IMPUTED AFTER RECODING	2	1	0.0	36,102	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : ESCOLF IMPUTATION FLAG
Record Number : 1
Position : 1463-1464
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,695	100.0	194,590,751	100.0
4 IMPUTED FROM DON'T KNOW	4	2	0.0	34,456	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : ESWHEF IMPUTATION FLAG
Record Number : 1
Position : 1465-1466
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,608,831	100.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	16,377	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : ESWHENUF IMPUTATION FLAG
Record Number : 1
Position : 1467-1468
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,608,831	100.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	16,377	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : ESHRF IMPUTATION FLAG
Record Number : 1
Position : 1469-1470
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,588,073	100.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	37,134	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: ESHRSUNF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1471-1472	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,588,073	100.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	37,134	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: ESDAYF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1473-1474	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,588,073	100.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	37,134	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: ESPRTYF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1475-1476	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,615,001	100.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	10,206	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: ESEVEF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1477-1478	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,589,105	100.0
2 IMPUTED AFTER RECODING	2	1	0.0	36,102	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: BSGEF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1479-1480	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,693	99.9	194,266,432	99.8
4 IMPUTED FROM DON'T KNOW	4	4	0.1	358,775	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSHSEQUF IMPUTATION FLAG
Record Number : 1
Position : 1481-1482
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,595,069	100.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	30,138	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSATDAF IMPUTATION FLAG
Record Number : 1
Position : 1483-1484
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,619,337	100.0
1 IMPUTED/NO RECODING	1	1	0.0	5,870	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSFMLIF IMPUTATION FLAG
Record Number : 1
Position : 1485-1486
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,256,002	99.8
2 IMPUTED AFTER RECODING	2	1	0.0	154,350	0.1
4 IMPUTED FROM DON'T KNOW	4	5	0.1	214,854	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSREASOF IMPUTATION FLAG
Record Number : 1
Position : 1487-1488
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,694	100.0	194,431,458	99.9
2 IMPUTED AFTER RECODING	2	1	0.0	154,350	0.1
4 IMPUTED FROM DON'T KNOW	4	2	0.0	39,399	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSWHEF IMPUTATION FLAG
Record Number : 1
Position : 1489-1490
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,690	99.9	194,375,781	99.9
2 IMPUTED AFTER RECODING	2	1	0.0	154,350	0.1
4 IMPUTED FROM DON'T KNOW	4	6	0.1	95,076	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSWHENUF   IMPUTATION FLAG
Record Number : 1
Position : 1491-1492
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,690	99.9	194,375,781	99.9
2 IMPUTED AFTER RECODING	2	1	0.0	154,350	0.1
4 IMPUTED FROM DON'T KNOW	4	6	0.1	95,076	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSWKF   IMPUTATION FLAG
Record Number : 1
Position : 1493-1494
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,693	99.9	194,548,508	100.0
1 IMPUTED/NO RECODING	1	2	0.0	39,209	0.0
3 IMPUTED MANUALLY	3	2	0.0	37,490	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSHRF   IMPUTATION FLAG
Record Number : 1
Position : 1495-1496
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,692	99.9	194,407,178	99.9
2 IMPUTED AFTER RECODING	2	1	0.0	154,350	0.1
4 IMPUTED FROM DON'T KNOW	4	4	0.1	63,678	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSHRSUNF   IMPUTATION FLAG
Record Number : 1
Position : 1497-1498
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,692	99.9	194,407,178	99.9
2 IMPUTED AFTER RECODING	2	1	0.0	154,350	0.1
4 IMPUTED FROM DON'T KNOW	4	4	0.1	63,678	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSDAYF   IMPUTATION FLAG
Record Number : 1
Position : 1499-1500
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,692	99.9	194,557,469	100.0
3 IMPUTED MANUALLY	3	2	0.0	16,375	0.0
4 IMPUTED FROM DON'T KNOW	4	3	0.0	51,363	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSPRTYF   IMPUTATION FLAG
Record Number : 1
Position : 1501-1502
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,689	99.9	194,205,093	99.8
2 IMPUTED AFTER RECODING	2	1	0.0	154,350	0.1
4 IMPUTED FROM DON'T KNOW	4	7	0.1	265,764	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSPROVEF   IMPUTATION FLAG
Record Number : 1
Position : 1503-1504
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,695	100.0	194,585,808	100.0
4 IMPUTED FROM DON'T KNOW	4	2	0.0	39,399	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSEMPREF   IMPUTATION FLAG
Record Number : 1
Position : 1505-1506
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,695	100.0	194,585,808	100.0
4 IMPUTED FROM DON'T KNOW	4	2	0.0	39,399	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSEMPWF   IMPUTATION FLAG
Record Number : 1
Position : 1507-1508
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,694	100.0	194,526,652	99.9
4 IMPUTED FROM DON'T KNOW	4	3	0.0	98,555	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : BSEMPSPF   IMPUTATION FLAG
Record Number : 1
Position : 1509-1510
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,695	100.0	194,585,808	100.0
4 IMPUTED FROM DON'T KNOW	4	2	0.0	39,399	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: BSEMPPAF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1511-1512	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,695	100.0	194,585,808	100.0
4 IMPUTED FROM DON'T KNOW	4	2	0.0	39,399	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: BSDISF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1513-1514	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,694	100.0	194,431,458	99.9
2 IMPUTED AFTER RECODING	2	1	0.0	154,350	0.1
4 IMPUTED FROM DON'T KNOW	4	2	0.0	39,399	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: BSEVEF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1515-1516	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,693	99.9	194,396,850	99.9
4 IMPUTED FROM DON'T KNOW	4	4	0.1	228,357	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: CRDEGREF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1517-1518	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,692	99.9	194,528,020	100.0
4 IMPUTED FROM DON'T KNOW	4	5	0.1	97,188	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: CRVOCDIF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1519-1520	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,690	99.9	194,496,865	99.9
4 IMPUTED FROM DON'T KNOW	4	7	0.1	128,342	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : CRTYVOF IMPUTATION FLAG
Record Number : 1
Position : 1521-1522
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,679	99.7	194,067,206	99.7
2 IMPUTED AFTER RECODING	2	3	0.0	81,353	0.0
4 IMPUTED FROM DON'T KNOW	4	15	0.2	476,649	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : CRTYASF IMPUTATION FLAG
Record Number : 1
Position : 1523-1524
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,679	99.7	194,067,206	99.7
2 IMPUTED AFTER RECODING	2	3	0.0	81,353	0.0
4 IMPUTED FROM DON'T KNOW	4	15	0.2	476,649	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : CRTYBCF IMPUTATION FLAG
Record Number : 1
Position : 1525-1526
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,679	99.7	194,067,206	99.7
2 IMPUTED AFTER RECODING	2	3	0.0	81,353	0.0
4 IMPUTED FROM DON'T KNOW	4	15	0.2	476,649	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : CRTYMAF IMPUTATION FLAG
Record Number : 1
Position : 1527-1528
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,679	99.7	194,067,206	99.7
2 IMPUTED AFTER RECODING	2	3	0.0	81,353	0.0
4 IMPUTED FROM DON'T KNOW	4	15	0.2	476,649	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : CRTYDOF IMPUTATION FLAG
Record Number : 1
Position : 1529-1530
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,679	99.7	194,067,206	99.7
2 IMPUTED AFTER RECODING	2	3	0.0	81,353	0.0
4 IMPUTED FROM DON'T KNOW	4	15	0.2	476,649	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : CRTYPRFF   IMPUTATION FLAG
Record Number : 1
Position : 1531-1532
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,679	99.7	194,067,206	99.7
2 IMPUTED AFTER RECODING	2	3	0.0	81,353	0.0
4 IMPUTED FROM DON'T KNOW	4	15	0.2	476,649	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : CRTYOTF   IMPUTATION FLAG
Record Number : 1
Position : 1533-1534
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,679	99.7	194,067,206	99.7
2 IMPUTED AFTER RECODING	2	3	0.0	81,353	0.0
4 IMPUTED FROM DON'T KNOW	4	15	0.2	476,649	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : CIFF   IMPUTATION FLAG
Record Number : 1
Position : 1535-1536
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,689	99.9	194,457,600	99.9
2 IMPUTED AFTER RECODING	2	3	0.0	81,353	0.0
4 IMPUTED FROM DON'T KNOW	4	5	0.1	86,255	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : CRREASOF   IMPUTATION FLAG
Record Number : 1
Position : 1537-1538
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,692	99.9	194,515,264	99.9
2 IMPUTED AFTER RECODING	2	3	0.0	81,353	0.0
4 IMPUTED FROM DON'T KNOW	4	2	0.0	28,591	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : CRPRTYF   IMPUTATION FLAG
Record Number : 1
Position : 1539-1540
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,689	99.9	194,389,298	99.9
2 IMPUTED AFTER RECODING	2	3	0.0	81,353	0.0
4 IMPUTED FROM DON'T KNOW	4	5	0.1	154,557	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: CRPBPF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1541-1542	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,669	99.6	193,928,766	99.6
1 IMPUTED/NO RECODING	1	15	0.2	297,932	0.2
2 IMPUTED AFTER RECODING	2	4	0.1	91,884	0.0
4 IMPUTED FROM DON'T KNOW	4	9	0.1	306,626	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: CRPROVEF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1543-1544	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,425,003	99.9
1 IMPUTED/NO RECODING	1	1	0.0	28,631	0.0
2 IMPUTED AFTER RECODING	2	3	0.0	104,090	0.1
4 IMPUTED FROM DON'T KNOW	4	2	0.0	67,485	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: CREMPREF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1545-1546	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,692	99.9	194,484,357	99.9
2 IMPUTED AFTER RECODING	2	4	0.1	132,720	0.1
4 IMPUTED FROM DON'T KNOW	4	1	0.0	8,130	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: CREMPWF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1547-1548	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,687	99.9	194,342,224	99.9
1 IMPUTED/NO RECODING	1	4	0.1	77,655	0.0
2 IMPUTED AFTER RECODING	2	4	0.1	132,720	0.1
4 IMPUTED FROM DON'T KNOW	4	2	0.0	72,608	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: CREMPSPF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1549-1550	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,689	99.9	194,411,173	99.9
2 IMPUTED AFTER RECODING	2	4	0.1	132,720	0.1
4 IMPUTED FROM DON'T KNOW	4	4	0.1	81,314	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: CREMPPAF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1551-1552	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,690	99.9	194,444,100	99.9
2 IMPUTED AFTER RECODING	2	4	0.1	132,720	0.1
4 IMPUTED FROM DON'T KNOW	4	3	0.0	48,387	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: CRCUREF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1553-1554	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,694	100.0	194,564,539	100.0
1 IMPUTED/NO RECODING	1	1	0.0	18,321	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	28,631	0.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	13,717	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: CRPTFF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1555-1556	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,627	99.0	192,746,817	99.0
1 IMPUTED/NO RECODING	1	7	0.1	162,945	0.1
2 IMPUTED AFTER RECODING	2	3	0.0	81,353	0.0
3 IMPUTED MANUALLY	3	1	0.0	54,899	0.0
4 IMPUTED FROM DON'T KNOW	4	59	0.9	1,579,193	0.8
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: CRDISF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1557-1558	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,694	100.0	194,543,855	100.0
2 IMPUTED AFTER RECODING	2	3	0.0	81,353	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: CRINTF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1559-1560	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,587,589	100.0
2 IMPUTED AFTER RECODING	2	1	0.0	37,618	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	CRINEMF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1561-1562	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,587,589	100.0
2 IMPUTED AFTER RECODING	2	1	0.0	37,618	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	CRINCOF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1563-1564	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,587,589	100.0
2 IMPUTED AFTER RECODING	2	1	0.0	37,618	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	CRINWWF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1565-1566	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,587,589	100.0
2 IMPUTED AFTER RECODING	2	1	0.0	37,618	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	CRINSAF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1567-1568	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,587,589	100.0
2 IMPUTED AFTER RECODING	2	1	0.0	37,618	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	CRINVIF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1569-1570	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,587,589	100.0
2 IMPUTED AFTER RECODING	2	1	0.0	37,618	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : CRINOTF   IMPUTATION FLAG
Record Number : 1
Position : 1571-1572
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,587,589	100.0
2 IMPUTED AFTER RECODING	2	1	0.0	37,618	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : APPRENTF   IMPUTATION FLAG
Record Number : 1
Position : 1573-1574
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,378,036	99.9
4 IMPUTED FROM DON'T KNOW	4	6	0.1	247,171	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : APEMPLOF   IMPUTATION FLAG
Record Number : 1
Position : 1575-1576
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,619,704	100.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	5,503	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : APUNIOF   IMPUTATION FLAG
Record Number : 1
Position : 1577-1578
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,695	100.0	194,605,425	100.0
4 IMPUTED FROM DON'T KNOW	4	2	0.0	19,783	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : APSTAGOF   IMPUTATION FLAG
Record Number : 1
Position : 1579-1580
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,523,295	99.9
4 IMPUTED FROM DON'T KNOW	4	6	0.1	101,912	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : APFEDGOF   IMPUTATION FLAG
Record Number : 1
Position : 1581-1582
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,686	99.8	194,333,456	99.9
4 IMPUTED FROM DON'T KNOW	4	11	0.2	291,751	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : APOTHEF   IMPUTATION FLAG
Record Number : 1
Position : 1583-1584
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,692	99.9	194,430,883	99.9
1 IMPUTED/NO RECODING	1	1	0.0	64,818	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	129,506	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRACTF   IMPUTATION FLAG
Record Number : 1
Position : 1585-1586
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,689	99.9	194,493,036	99.9
1 IMPUTED/NO RECODING	1	2	0.0	34,989	0.0
4 IMPUTED FROM DON'T KNOW	4	6	0.1	97,183	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRNEF   IMPUTATION FLAG
Record Number : 1
Position : 1587-1588
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,695	100.0	194,573,812	100.0
2 IMPUTED AFTER RECODING	2	2	0.0	51,395	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRCSREF   IMPUTATION FLAG
Record Number : 1
Position : 1589-1590
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,692	99.9	194,478,609	99.9
1 IMPUTED/NO RECODING	1	1	0.0	27,499	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	3	0.0	95,203	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRSAMF   IMPUTATION FLAG
Record Number : 1
Position : 1591-1592
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,695	100.0	194,591,277	100.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	10,034	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRRSCUF   IMPUTATION FLAG
Record Number : 1
Position : 1593-1594
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,620,947	100.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	4,260	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRRSNEF   IMPUTATION FLAG
Record Number : 1
Position : 1595-1596
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,620,947	100.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	4,260	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRRSBAF   IMPUTATION FLAG
Record Number : 1
Position : 1597-1598
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,620,947	100.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	4,260	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRRSREF   IMPUTATION FLAG
Record Number : 1
Position : 1599-1600
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,620,947	100.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	4,260	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: WRRSPEF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1601-1602	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,620,947	100.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	4,260	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: WRRSOTF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1603-1604	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,620,947	100.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	4,260	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: WRTOTHF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1605-1606	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,546,054	100.0
1 IMPUTED/NO RECODING	1	1	0.0	20,602	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	34,656	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: WRSCSCF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1607-1608	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,683	99.8	194,363,638	99.9
1 IMPUTED/NO RECODING	1	2	0.0	47,384	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	11	0.2	190,290	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: WRSC2YF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1609-1610	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,683	99.8	194,363,638	99.9
1 IMPUTED/NO RECODING	1	2	0.0	47,384	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	11	0.2	190,290	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRSCVOF   IMPUTATION FLAG
Record Number : 1
Position : 1611-1612
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,683	99.8	194,363,638	99.9
1 IMPUTED/NO RECODING	1	2	0.0	47,384	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	11	0.2	190,290	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRPR4YF   IMPUTATION FLAG
Record Number : 1
Position : 1613-1614
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,683	99.8	194,363,638	99.9
1 IMPUTED/NO RECODING	1	2	0.0	47,384	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	11	0.2	190,290	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRPRPRIF   IMPUTATION FLAG
Record Number : 1
Position : 1615-1616
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,683	99.8	194,363,638	99.9
1 IMPUTED/NO RECODING	1	2	0.0	47,384	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	11	0.2	190,290	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRSCALF   IMPUTATION FLAG
Record Number : 1
Position : 1617-1618
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,683	99.8	194,363,638	99.9
1 IMPUTED/NO RECODING	1	2	0.0	47,384	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	11	0.2	190,290	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRPRBUF   IMPUTATION FLAG
Record Number : 1
Position : 1619-1620
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,683	99.8	194,363,638	99.9
1 IMPUTED/NO RECODING	1	2	0.0	47,384	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	11	0.2	190,290	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRPRPROF IMPUTATION FLAG
Record Number : 1
Position : 1621-1622
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,683	99.8	194,363,638	99.9
1 IMPUTED/NO RECODING	1	2	0.0	47,384	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	11	0.2	190,290	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRPRGOF IMPUTATION FLAG
Record Number : 1
Position : 1623-1624
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,683	99.8	194,363,638	99.9
1 IMPUTED/NO RECODING	1	2	0.0	47,384	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	11	0.2	190,290	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRSCLIF IMPUTATION FLAG
Record Number : 1
Position : 1625-1626
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,683	99.8	194,363,638	99.9
1 IMPUTED/NO RECODING	1	2	0.0	47,384	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	11	0.2	190,290	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRSCORF IMPUTATION FLAG
Record Number : 1
Position : 1627-1628
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,683	99.8	194,363,638	99.9
1 IMPUTED/NO RECODING	1	2	0.0	47,384	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	11	0.2	190,290	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRSCCHF IMPUTATION FLAG
Record Number : 1
Position : 1629-1630
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,683	99.8	194,363,638	99.9
1 IMPUTED/NO RECODING	1	2	0.0	47,384	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	11	0.2	190,290	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRSCTUF   IMPUTATION FLAG
Record Number : 1
Position : 1631-1632
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,683	99.8	194,363,638	99.9
1 IMPUTED/NO RECODING	1	2	0.0	47,384	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	11	0.2	190,290	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRSCOTF   IMPUTATION FLAG
Record Number : 1
Position : 1633-1634
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,683	99.8	194,363,638	99.9
1 IMPUTED/NO RECODING	1	2	0.0	47,384	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	11	0.2	190,290	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRPROVEF   IMPUTATION FLAG
Record Number : 1
Position : 1635-1636
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,690	99.9	194,470,073	99.9
1 IMPUTED/NO RECODING	1	1	0.0	27,499	0.0
2 IMPUTED AFTER RECODING	2	2	0.0	51,851	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	75,784	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WREMPREF   IMPUTATION FLAG
Record Number : 1
Position : 1637-1638
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,690	99.9	194,479,103	99.9
1 IMPUTED/NO RECODING	1	1	0.0	27,499	0.0
2 IMPUTED AFTER RECODING	2	2	0.0	51,851	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	66,754	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WREMPWF   IMPUTATION FLAG
Record Number : 1
Position : 1639-1640
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,682	99.8	194,249,827	99.8
1 IMPUTED/NO RECODING	1	2	0.0	49,577	0.0
2 IMPUTED AFTER RECODING	2	2	0.0	51,851	0.0
4 IMPUTED FROM DON'T KNOW	4	11	0.2	273,952	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WREMPSPF   IMPUTATION FLAG
Record Number : 1
Position : 1641-1642
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,692	99.9	194,504,333	99.9
1 IMPUTED/NO RECODING	1	1	0.0	27,499	0.0
2 IMPUTED AFTER RECODING	2	2	0.0	51,851	0.0
4 IMPUTED FROM DON'T KNOW	4	2	0.0	41,524	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WREMPPAF   IMPUTATION FLAG
Record Number : 1
Position : 1643-1644
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,690	99.9	194,483,546	99.9
1 IMPUTED/NO RECODING	1	1	0.0	27,499	0.0
2 IMPUTED AFTER RECODING	2	2	0.0	51,851	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	62,311	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRCUREF   IMPUTATION FLAG
Record Number : 1
Position : 1645-1646
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,688	99.9	194,410,029	99.9
2 IMPUTED AFTER RECODING	2	6	0.1	154,422	0.1
4 IMPUTED FROM DON'T KNOW	4	3	0.0	60,756	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRDISF   IMPUTATION FLAG
Record Number : 1
Position : 1647-1648
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,692	99.9	194,462,537	99.9
1 IMPUTED/NO RECODING	1	1	0.0	27,499	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	23,896	0.0
4 IMPUTED FROM DON'T KNOW	4	3	0.0	111,275	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRINTF   IMPUTATION FLAG
Record Number : 1
Position : 1649-1650
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,601,302	100.0
3 IMPUTED MANUALLY	3	1	0.0	23,905	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRINEMF　　　IMPUTATION FLAG
Record Number : 1
Position : 1651-1652
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,601,302	100.0
3 IMPUTED MANUALLY	3	1	0.0	23,905	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRINCOF　　　IMPUTATION FLAG
Record Number : 1
Position : 1653-1654
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,601,302	100.0
3 IMPUTED MANUALLY	3	1	0.0	23,905	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRINWWF　　　IMPUTATION FLAG
Record Number : 1
Position : 1655-1656
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,601,302	100.0
3 IMPUTED MANUALLY	3	1	0.0	23,905	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRINSAF　　　IMPUTATION FLAG
Record Number : 1
Position : 1657-1658
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,601,302	100.0
3 IMPUTED MANUALLY	3	1	0.0	23,905	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : WRINVIF　　　IMPUTATION FLAG
Record Number : 1
Position : 1659-1660
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,601,302	100.0
3 IMPUTED MANUALLY	3	1	0.0	23,905	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: WRINOTF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1661-1662	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,601,302	100.0
3 IMPUTED MANUALLY	3	1	0.0	23,905	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: SAACTF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1663-1664	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,692	99.9	194,453,885	99.9
4 IMPUTED FROM DON'T KNOW	4	5	0.1	171,322	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: SARSPEF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1665-1666	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,695	100.0	194,564,104	100.0
1 IMPUTED/NO RECODING	1	1	0.0	3,773	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: SARSREF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1667-1668	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,695	100.0	194,564,104	100.0
1 IMPUTED/NO RECODING	1	1	0.0	3,773	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: SARSCUF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1669-1670	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,695	100.0	194,564,104	100.0
1 IMPUTED/NO RECODING	1	1	0.0	3,773	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: SARSNEF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1671-1672	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,695	100.0	194,564,104	100.0
1 IMPUTED/NO RECODING	1	1	0.0	3,773	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: SARSBAF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1673-1674	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,695	100.0	194,564,104	100.0
1 IMPUTED/NO RECODING	1	1	0.0	3,773	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: SARSOTF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1675-1676	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,694	100.0	194,555,169	100.0
1 IMPUTED/NO RECODING	1	2	0.0	12,708	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: SASCSCF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1677-1678	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,469,801	99.9
1 IMPUTED/NO RECODING	1	1	0.0	54,308	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	43,768	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: SASC2YF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1679-1680	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,469,801	99.9
1 IMPUTED/NO RECODING	1	1	0.0	54,308	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	43,768	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SASCVOF   IMPUTATION FLAG
Record Number : 1
Position : 1681-1682
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,469,801	99.9
1 IMPUTED/NO RECODING	1	1	0.0	54,308	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	43,768	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SAPR4YF   IMPUTATION FLAG
Record Number : 1
Position : 1683-1684
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,690	99.9	194,464,583	99.9
1 IMPUTED/NO RECODING	1	1	0.0	54,308	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
3 IMPUTED MANUALLY	3	1	0.0	5,218	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	43,768	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SAPRPRF   IMPUTATION FLAG
Record Number : 1
Position : 1685-1686
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,469,801	99.9
1 IMPUTED/NO RECODING	1	1	0.0	54,308	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	43,768	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SASCALF   IMPUTATION FLAG
Record Number : 1
Position : 1687-1688
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,469,801	99.9
1 IMPUTED/NO RECODING	1	1	0.0	54,308	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	43,768	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SAPRBUF   IMPUTATION FLAG
Record Number : 1
Position : 1689-1690
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,469,801	99.9
1 IMPUTED/NO RECODING	1	1	0.0	54,308	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	43,768	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SARPRPRF   IMPUTATION FLAG
Record Number : 1
Position : 1691-1692
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,469,801	99.9
1 IMPUTED/NO RECODING	1	1	0.0	54,308	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	43,768	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SAPRGOF   IMPUTATION FLAG
Record Number : 1
Position : 1693-1694
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,469,801	99.9
1 IMPUTED/NO RECODING	1	1	0.0	54,308	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	43,768	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SASCLIF   IMPUTATION FLAG
Record Number : 1
Position : 1695-1696
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,469,801	99.9
1 IMPUTED/NO RECODING	1	1	0.0	54,308	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	43,768	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SASCORF   IMPUTATION FLAG
Record Number : 1
Position : 1697-1698
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,469,801	99.9
1 IMPUTED/NO RECODING	1	1	0.0	54,308	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	43,768	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : SASCCHF   IMPUTATION FLAG
Record Number : 1
Position : 1699-1700
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,469,801	99.9
1 IMPUTED/NO RECODING	1	1	0.0	54,308	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	43,768	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: SASCTUF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1701-1702	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,469,801	99.9
1 IMPUTED/NO RECODING	1	1	0.0	54,308	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	43,768	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: SASCOTF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1703-1704	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,691	99.9	194,469,801	99.9
1 IMPUTED/NO RECODING	1	1	0.0	54,308	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	43,768	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: SADISF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1705-1706	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,694	100.0	194,502,247	99.9
1 IMPUTED/NO RECODING	1	1	0.0	54,308	0.0
2 IMPUTED AFTER RECODING	2	1	0.0	57,330	0.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	11,322	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: GIOTF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1707-1708	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,686	99.8	194,462,108	99.9
1 IMPUTED/NO RECODING	1	4	0.1	58,276	0.0
4 IMPUTED FROM DON'T KNOW	4	7	0.1	104,823	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: GIOTESF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1709-1710	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,696	100.0	194,599,076	100.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	26,131	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

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Variable Name	:	GIOTGEF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1711-1712	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,695	100.0	194,592,578	100.0
3 IMPUTED MANUALLY	3	1	0.0	26,131	0.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	6,498	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	GIOTCRF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1713-1714	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,692	99.9	194,556,732	100.0
2 IMPUTED AFTER RECODING	2	1	0.0	7,362	0.0
4 IMPUTED FROM DON'T KNOW	4	4	0.1	61,113	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	GIOTAPF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1715-1716	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,690	99.9	194,503,408	99.9
2 IMPUTED AFTER RECODING	2	1	0.0	7,362	0.0
4 IMPUTED FROM DON'T KNOW	4	6	0.1	114,437	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	GIOTWRF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1717-1718	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,689	99.9	194,497,823	99.9
2 IMPUTED AFTER RECODING	2	1	0.0	7,362	0.0
4 IMPUTED FROM DON'T KNOW	4	7	0.1	120,023	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	GIOTPRF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1719-1720	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,688	99.9	194,480,867	99.9
2 IMPUTED AFTER RECODING	2	1	0.0	7,362	0.0
4 IMPUTED FROM DON'T KNOW	4	8	0.1	136,979	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	GILIFF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1721-1722	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,658	99.4	193,111,511	99.2
1 IMPUTED/NO RECODING	1	5	0.1	142,322	0.1
4 IMPUTED FROM DON'T KNOW	4	34	0.5	1,371,373	0.7
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	GIHOPF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1723-1724	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,668	99.6	193,432,110	99.4
1 IMPUTED/NO RECODING	1	5	0.1	142,322	0.1
4 IMPUTED FROM DON'T KNOW	4	24	0.4	1,050,774	0.5
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	GILIFUF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1725-1726	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,631	99.0	192,917,623	99.1
2 IMPUTED AFTER RECODING	2	3	0.0	219,040	0.1
4 IMPUTED FROM DON'T KNOW	4	63	0.9	1,488,544	0.8
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	GIHOPUF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1727-1728	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,642	99.2	193,108,544	99.2
2 IMPUTED AFTER RECODING	2	5	0.1	357,167	0.2
4 IMPUTED FROM DON'T KNOW	4	50	0.7	1,159,496	0.6
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	CARDPAPF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1729-1730	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,649	99.3	193,419,166	99.4
1 IMPUTED/NO RECODING	1	41	0.6	1,026,765	0.5
4 IMPUTED FROM DON'T KNOW	4	7	0.1	179,276	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : CARDMAGF IMPUTATION FLAG
Record Number : 1
Position : 1731-1732
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,617	98.8	192,348,472	98.8
1 IMPUTED/NO RECODING	1	41	0.6	1,066,709	0.5
4 IMPUTED FROM DON'T KNOW	4	39	0.6	1,210,027	0.6
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : CARDBOOF IMPUTATION FLAG
Record Number : 1
Position : 1733-1734
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,653	99.3	193,511,127	99.4
1 IMPUTED/NO RECODING	1	41	0.6	1,026,765	0.5
4 IMPUTED FROM DON'T KNOW	4	3	0.0	87,315	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : LIBMF IMPUTATION FLAG
Record Number : 1
Position : 1735-1736
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,652	99.3	193,483,129	99.4
1 IMPUTED/NO RECODING	1	41	0.6	1,026,765	0.5
4 IMPUTED FROM DON'T KNOW	4	4	0.1	115,314	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : LIBYF IMPUTATION FLAG
Record Number : 1
Position : 1737-1738
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,649	99.3	193,369,937	99.4
1 IMPUTED/NO RECODING	1	41	0.6	1,026,765	0.5
4 IMPUTED FROM DON'T KNOW	4	7	0.1	228,505	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : CASERVF IMPUTATION FLAG
Record Number : 1
Position : 1739-1740
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,653	99.3	193,556,271	99.5
1 IMPUTED/NO RECODING	1	42	0.6	1,035,700	0.5
4 IMPUTED FROM DON'T KNOW	4	2	0.0	33,236	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	ADISCIF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1741-1742	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,526	97.4	189,527,072	97.4
1 IMPUTED/NO RECODING	1	42	0.6	1,057,283	0.5
4 IMPUTED FROM DON'T KNOW	4	129	1.9	4,040,853	2.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	ASTANDF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1743-1744	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,531	97.5	189,892,537	97.6
1 IMPUTED/NO RECODING	1	47	0.7	1,188,956	0.6
4 IMPUTED FROM DON'T KNOW	4	119	1.8	3,543,714	1.8
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	AEVAF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1745-1746	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,516	97.3	189,393,834	97.3
1 IMPUTED/NO RECODING	1	50	0.7	1,193,034	0.6
4 IMPUTED FROM DON'T KNOW	4	131	2.0	4,038,340	2.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	ASCHLYF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1747-1748	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,462	96.5	187,537,293	96.4
1 IMPUTED/NO RECODING	1	45	0.7	1,133,263	0.6
4 IMPUTED FROM DON'T KNOW	4	190	2.8	5,954,651	3.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	:	ADOBMF	IMPUTATION FLAG
Record Number	:	1	
Position	:	1749-1750	
Format	:	N2	
Comment	:		

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,550	97.8	190,785,675	98.0
3 IMPUTED MANUALLY	3	147	2.2	3,839,532	2.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : ADOBYF   IMPUTATION FLAG
Record Number : 1
Position : 1751-1752
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,537	97.6	190,580,608	97.9
3 IMPUTED MANUALLY	3	160	2.4	4,044,599	2.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : ARACF   IMPUTATION FLAG
Record Number : 1
Position : 1753-1754
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,588	98.4	191,609,161	98.5
3 IMPUTED MANUALLY	3	109	1.6	3,016,046	1.5
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : AOTHRACF   IMPUTATION FLAG
Record Number : 1
Position : 1755-1756
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,681	99.8	194,285,289	99.8
3 IMPUTED MANUALLY	3	16	0.2	339,918	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : AHISPANF   IMPUTATION FLAG
Record Number : 1
Position : 1757-1758
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,599	98.5	191,608,523	98.5
3 IMPUTED MANUALLY	3	98	1.5	3,016,684	1.5
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : AMARSTAF   IMPUTATION FLAG
Record Number : 1
Position : 1759-1760
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,618	98.8	192,355,255	98.8
3 IMPUTED MANUALLY	3	79	1.2	2,269,952	1.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : ABORNUF   IMPUTATION FLAG
Record Number : 1
Position : 1761-1762
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,639	99.1	192,915,339	99.1
3 IMPUTED MANUALLY	3	58	0.9	1,709,868	0.9
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : AMOVEAGF   IMPUTATION FLAG
Record Number : 1
Position : 1763-1764
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,672	99.6	194,005,145	99.7
1 IMPUTED/NO RECODING	1	3	0.0	70,674	0.0
2 IMPUTED AFTER RECODING	2	8	0.1	195,786	0.1
3 IMPUTED MANUALLY	3	1	0.0	54,399	0.0
4 IMPUTED FROM DON'T KNOW	4	13	0.2	299,204	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : ASTUENF   IMPUTATION FLAG
Record Number : 1
Position : 1765-1766
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,681	99.8	194,198,245	99.8
2 IMPUTED AFTER RECODING	2	16	0.2	426,962	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : JOBLOOF   IMPUTATION FLAG
Record Number : 1
Position : 1767-1768
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,670	99.6	193,721,819	99.5
1 IMPUTED/NO RECODING	1	21	0.3	736,623	0.4
4 IMPUTED FROM DON'T KNOW	4	6	0.1	166,766	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : JOBPUBF   IMPUTATION FLAG
Record Number : 1
Position : 1769-1770
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,685	99.8	194,256,950	99.8
2 IMPUTED AFTER RECODING	2	9	0.1	297,706	0.2
4 IMPUTED FROM DON'T KNOW	4	3	0.0	70,552	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : JOBPRIF IMPUTATION FLAG
Record Number : 1
Position : 1771-1772
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,685	99.8	194,256,950	99.8
2 IMPUTED AFTER RECODING	2	9	0.1	297,706	0.2
4 IMPUTED FROM DON'T KNOW	4	3	0.0	70,552	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : JOBEMPF IMPUTATION FLAG
Record Number : 1
Position : 1773-1774
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,685	99.8	194,256,950	99.8
2 IMPUTED AFTER RECODING	2	9	0.1	297,706	0.2
4 IMPUTED FROM DON'T KNOW	4	3	0.0	70,552	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : JOBREF IMPUTATION FLAG
Record Number : 1
Position : 1775-1776
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,685	99.8	194,256,950	99.8
2 IMPUTED AFTER RECODING	2	9	0.1	297,706	0.2
4 IMPUTED FROM DON'T KNOW	4	3	0.0	70,552	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : JOBANSAF IMPUTATION FLAG
Record Number : 1
Position : 1777-1778
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,685	99.8	194,256,950	99.8
2 IMPUTED AFTER RECODING	2	9	0.1	297,706	0.2
4 IMPUTED FROM DON'T KNOW	4	3	0.0	70,552	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : JOBREAF IMPUTATION FLAG
Record Number : 1
Position : 1779-1780
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,685	99.8	194,256,950	99.8
2 IMPUTED AFTER RECODING	2	9	0.1	297,706	0.2
4 IMPUTED FROM DON'T KNOW	4	3	0.0	70,552	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : JOBOTHEF   IMPUTATION FLAG
Record Number : 1
Position : 1781-1782
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,685	99.8	194,256,950	99.8
2 IMPUTED AFTER RECODING	2	9	0.1	297,706	0.2
4 IMPUTED FROM DON'T KNOW	4	3	0.0	70,552	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : JOBACTF   IMPUTATION FLAG
Record Number : 1
Position : 1783-1784
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,678	99.7	194,009,234	99.7
1 IMPUTED/NO RECODING	1	17	0.3	573,511	0.3
4 IMPUTED FROM DON'T KNOW	4	2	0.0	42,463	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : JOBTAKF   IMPUTATION FLAG
Record Number : 1
Position : 1785-1786
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,658	99.4	193,475,954	99.4
1 IMPUTED/NO RECODING	1	21	0.3	700,954	0.4
2 IMPUTED AFTER RECODING	2	7	0.1	252,341	0.1
3 IMPUTED MANUALLY	3	2	0.0	53,093	0.0
4 IMPUTED FROM DON'T KNOW	4	9	0.1	142,866	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : JOBEVEF   IMPUTATION FLAG
Record Number : 1
Position : 1787-1788
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,675	99.7	193,938,229	99.6
1 IMPUTED/NO RECODING	1	21	0.3	623,705	0.3
4 IMPUTED FROM DON'T KNOW	4	1	0.0	63,274	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : IBWORKMF   IMPUTATION FLAG
Record Number : 1
Position : 1789-1790
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,578	98.2	190,899,046	98.1
1 IMPUTED/NO RECODING	1	56	0.8	1,887,938	1.0
4 IMPUTED FROM DON'T KNOW	4	63	0.9	1,838,223	0.9
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : JOBMORF   IMPUTATION FLAG
Record Number : 1
Position : 1791-1792
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,580	98.3	190,985,260	98.1
1 IMPUTED/NO RECODING	1	114	1.7	3,574,807	1.8
2 IMPUTED AFTER RECODING	2	2	0.0	32,768	0.0
4 IMPUTED FROM DON'T KNOW	4	1	0.0	32,372	0.0
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : PAYHRF   IMPUTATION FLAG
Record Number : 1
Position : 1793-1794
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,566	98.0	190,601,887	97.9
1 IMPUTED/NO RECODING	1	94	1.4	2,919,947	1.5
2 IMPUTED AFTER RECODING	2	5	0.1	95,270	0.0
4 IMPUTED FROM DON'T KNOW	4	32	0.5	1,008,103	0.5
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : EARNAMF   IMPUTATION FLAG
Record Number : 1
Position : 1795-1796
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	5,878	87.8	171,076,028	87.9
1 IMPUTED/NO RECODING	1	571	8.5	16,402,076	8.4
2 IMPUTED AFTER RECODING	2	4	0.1	204,237	0.1
3 IMPUTED MANUALLY	3	3	0.0	91,946	0.0
4 IMPUTED FROM DON'T KNOW	4	241	3.6	6,850,920	3.5
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : EARNUNF   IMPUTATION FLAG
Record Number : 1
Position : 1797-1798
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	5,871	87.7	170,888,978	87.8
1 IMPUTED/NO RECODING	1	574	8.6	16,509,083	8.5
2 IMPUTED AFTER RECODING	2	4	0.1	204,237	0.1
3 IMPUTED MANUALLY	3	3	0.0	38,864	0.0
4 IMPUTED FROM DON'T KNOW	4	245	3.7	6,984,045	3.6
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FSIF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1799-1800	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,519	97.3	189,178,468	97.2
1 IMPUTED/NO RECODING	1	153	2.3	4,614,970	2.4
2 IMPUTED AFTER RECODING	2	13	0.2	449,572	0.2
4 IMPUTED FROM DON'T KNOW	4	12	0.2	382,198	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: FSOF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1801-1802	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,536	97.6	189,691,563	97.5
1 IMPUTED/NO RECODING	1	133	2.0	3,982,161	2.0
2 IMPUTED AFTER RECODING	2	13	0.2	449,572	0.2
4 IMPUTED FROM DON'T KNOW	4	15	0.2	501,911	0.3
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: CONTREF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1803-1804	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,503	97.1	188,469,044	96.8
1 IMPUTED/NO RECODING	1	118	1.8	3,671,833	1.9
2 IMPUTED AFTER RECODING	2	10	0.1	340,261	0.2
4 IMPUTED FROM DON'T KNOW	4	66	1.0	2,144,068	1.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: HOWNHOMF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1805-1806	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,592	98.4	191,723,802	98.5
1 IMPUTED/NO RECODING	1	98	1.5	2,753,238	1.4
4 IMPUTED FROM DON'T KNOW	4	7	0.1	148,167	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name	: HOTHNUF	IMPUTATION FLAG
Record Number	: 1	
Position	: 1807-1808	
Format	: N2	
Comment	:	

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,612	98.7	192,184,404	98.7
1 IMPUTED/NO RECODING	1	80	1.2	2,204,584	1.1
4 IMPUTED FROM DON'T KNOW	4	5	0.1	236,219	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : HNUMUSF   IMPUTATION FLAG
Record Number : 1
Position : 1809-1810
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,675	99.7	193,760,193	99.6
1 IMPUTED/NO RECODING	1	3	0.0	127,282	0.1
2 IMPUTED AFTER RECODING	2	17	0.3	545,310	0.3
4 IMPUTED FROM DON'T KNOW	4	2	0.0	192,422	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : HWIF   IMPUTATION FLAG
Record Number : 1
Position : 1811-1812
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,668	99.6	193,476,368	99.4
1 IMPUTED/NO RECODING	1	19	0.3	665,976	0.3
2 IMPUTED AFTER RECODING	2	4	0.1	123,475	0.1
4 IMPUTED FROM DON'T KNOW	4	6	0.1	359,388	0.2
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : HFOODSF   IMPUTATION FLAG
Record Number : 1
Position : 1813-1814
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,669	99.6	193,618,881	99.5
1 IMPUTED/NO RECODING	1	19	0.3	665,976	0.3
2 IMPUTED AFTER RECODING	2	4	0.1	123,475	0.1
4 IMPUTED FROM DON'T KNOW	4	5	0.1	216,875	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : HAFDF   IMPUTATION FLAG
Record Number : 1
Position : 1815-1816
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,669	99.6	193,624,463	99.5
1 IMPUTED/NO RECODING	1	19	0.3	665,976	0.3
2 IMPUTED AFTER RECODING	2	4	0.1	123,475	0.1
4 IMPUTED FROM DON'T KNOW	4	5	0.1	211,293	0.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : HINCMRNF   IMPUTATION FLAG
Record Number : 1
Position : 1817-1818
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	5,874	87.7	170,184,072	87.4
1 IMPUTED/NO RECODING	1	480	7.2	13,228,740	6.8
4 IMPUTED FROM DON'T KNOW	4	343	5.1	11,212,395	5.8
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : HINCOMF   IMPUTATION FLAG
Record Number : 1
Position : 1819-1820
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	5,415	80.9	157,073,554	80.7
1 IMPUTED/NO RECODING	1	182	2.7	4,307,821	2.2
2 IMPUTED AFTER RECODING	2	823	12.3	24,441,135	12.6
4 IMPUTED FROM DON'T KNOW	4	277	4.1	8,802,697	4.5
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : HINCMEXF   IMPUTATION FLAG
Record Number : 1
Position : 1821-1822
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT IMPUTED	0	6,357	94.9	181,998,237	93.5
1 IMPUTED/NO RECODING	1	11	0.2	446,580	0.2
2 IMPUTED AFTER RECODING	2	183	2.7	7,161,805	3.7
4 IMPUTED FROM DON'T KNOW	4	146	2.2	5,018,584	2.6
		6,697	**100.0%**	**194,625,207**	**100.0%**

Variable Name : EARNFLAG   EARNINGS FLAG
Record Number : 1
Position : 1823-1824
Format : N2
Comment :

Response	Codes	Frequency	Percent	Weighted Frequency	Weighted Percent
0 NOT TRUNCATED	0	6,573	98.1	190,581,186	97.9
1 TRUNCATED	1	124	1.9	4,044,021	2.1
		6,697	**100.0%**	**194,625,207**	**100.0%**

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APPENDIX G

DIRECTIONS AND CODE FOR LINKING DATA FILES

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Linking the NHES:1999 Data Files

It is possible to link information from the three NHES:1999 files. Information about the file identifiers is required to understand this process. In the NHES:1999, there are three types of identifiers. They are the **household** identification numbers (**BASEID**), interview **subject** identification numbers (**ENUMID**), and **interview** or case identification numbers (**BASMID**). In addition, two-digit **person numbers** are provided on the Parent Interview data file for the respondent to the extended interview (RESPNUM) and the mother (MOMNUM), if any, and father (DADNUM), if any, in households in which an interview was conducted about a child.

■ **BASEID**, is the **household** identification number. This eight-digit identification number is the same for every data record within a household. It is provided on the Parent Interview file and the Youth Interview file to permit data users to form linkages between these interviews conducted in the same household.

■ **ENUMID** is the **interview subject** identification number and is composed of 10 digits. The first eight digits are the same as the household identifier, the BASEID. The additional two digits in the ENUMID qualify the subject of the interview and were determined by the enumeration order of persons in the household. For example, if the second child enumerated was sampled to be the subject of a Parent Interview, the EMUMID will end in 02. If this child was also sampled as the subject of a Youth Interview, the ENUMID on the Youth file will also end in 02. Thus, ENUMID is the same in the Parent Interview about a given youth and in that youth's own Youth Interview record. The ENUMID for an Adult Education Interview will be unique within the household.

■ **BASMID** is the unique **interview** or case identification number and is composed of 12 digits. Each Parent Interview, Youth Interview, or Adult Education Interview has a unique interview ID. The first 8 digits of the BASMID are the same as BASEID for the household to which the interview belongs. The first 10 digits of BASMID are the same as the ENUMID of the subject of the interview. The last two digits of the BASMID are the sequential interview identifier and make the BASMID unique. Therefore, a Parent Interview record and a Youth Interview record about the same youth would have the same value for ENUMID, but each interview would have its own unique BASMID. For the Parent Interview, always completed first about a subject child, the last two digits are 01; for the Youth Interview, the last two digits are 02. Because sampled adults are the subject of only one interview in the household, the ENUMID for an Adult Education Interview is unique within the household, and the last two digits of the BASMID are 01. BASMID is the variable specified as the case identification number when creating a WesVar analysis from the Parent Interview, Youth Interview, or Adult Education Interview files (see volume I, chapter 3 of this manual for a discussion of variance estimation and WesVar).

■ In the Parent Interview and Youth Interview data files, four two-digit **person numbers** are provided -- MOMNUM for the child's mother (if any), DADNUM for the child's father (if any), RESPNUM, the person number of the respondent to the Parent Interview, and CHILDNUM for the subject child or youth. If the mother or the father was the respondent to the Parent Interview, MOMNUM (or DADNUM) will have the same value as RESPNUM. In the Adult Education Interview data file, the person number for the sampled adult is the last two digits of the ENUMID.

In developing the public use data files, care was taken to include on all of the data files those person-level variables that were most likely to be needed by analysts. For example, the educational attainment of the child's parents are included on the Youth Interview file, since these parent characteristics are likely to be of interest to many analysts. In addition, since household characteristics (such as whether the home is owned or rented and household income) are likely to be used in analyses, these variables are contained on all of the NHES:1999 data sets and it is not necessary to copy them from one file to another. However, there may be circumstances in which an analyst would like to copy data items about a household member from one file to another.

Before linking, data users should consider the following tips regarding the length of time required to run a program and use of disk space:

- The data files are provided in ID order -- all of the following examples present code for sorting data files prior to linking (merging). Sorting the files can take up considerable time and disk space. If the files are already in the order required by the analyst, sorting is unnecessary.

- Keep only the variables required for your analysis -- specifying only the variables needed for the analysis will significantly improve the speed of the linking and the created data file will use less disk space. The use of a KEEP option, demonstrated in some of the following examples, can be used for this purpose.

Linking between Parent and Youth Interview files is straightforward. The common identifier (key) is the ENUMID, and is available on both files. Sample SAS code to bring together these two files follows:

```
PROC SORT DATA = parent_filename OUT = PARENT;
BY ENUMID;
RUN;

PROC SORT DATA = youth_filename OUT = YOUTH;
BY ENUMID;
RUN;

DATA TEMP;
MERGE parent_filename (IN=ONPARENT) youth_filename (IN=ONYOUTH);
BY ENUMID;
RUN;
```

Sample SPSS for Windows code is:

```
GET FILE = 'youth file'.
  /KEEP = ALL.
SORT CASES BY ENUMID.
SAVE OUTFILE = 'temp'.

GET FILE = 'parent file'.
  /KEEP = ALL.
SORT CASES BY ENUMID.

MATCH FILES FILE = */FILE = temp
  /BY ENUMID
  /MAP.
SAVE OUTFILE = 'merged file'.
```

Linking between Adult Education and Parent or Youth Interview files may be of interest to analysts. The ENUMID on the Adult Education file can be used with MOMNUM, DADNUM, or RESPNUM to identify whether the subject of the Adult Education Interview was also a parent and/or the respondent to a Parent Interview. In this case, BASEID and the 2-digit person identifier contained in MOMNUM, DADNUM, or RESPNUM must be concatenated to create a new variable. This variable may be used with ENUMID from the Adult Education Interview file to merge the records. The following examples demonstrate combining Parent Interview data and Adult Education Interview data.

Sample SAS code to bring together these two files follows:

```
DATA PARENT;
SET parent_filename;
NENUMID = BASEID * 100 + RESPNUM;
RUN;

PROC SORT DATA = adult_filename OUT = ADULT;
BY ENUMID;
RUN;

PROC SORT DATA=PARENT;
BY NENUMID;
RUN;

DATA BOTH;
MERGE PARENT (IN=ONPARENT)  ADULT (IN=ONADULT KEEP=ENUMID RENAME=(ENUMID=NENUMID));
BY ENUMID;
IF ONPARENT AND ONADULT;
RUN;
```

Sample SPSS for Windows code is:

```
GET FILE='parent file' /KEEP=BASEID RESPNUM.
COMPUTE NENUMID = BASEID * 100 + RESPNUM.
COMPUTE ONPARENT=1.
SORT CASES BY NENUMID.
SAVE OUTFILE = 'temp'.


GET FILE='adult file' /KEEP=ENUMID.
COMPUTE NENUMID = ENUMID.
COMPUTE ONADULT=1.
SORT CASES BY NENUMID.
SAVE OUTFILE = 'temp2'.


MATCH FILES FILE='temp' /TABLE='temp2' /BY NENUMID /MAP.
SELECT IF (ONPARENT=1 AND ONADULT=1).
SAVE OUTFILE = 'merged file'.
```

APPENDIX H
INDUSTRY AND OCCUPATION CODING MANUAL

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NHES:1999 Industry and Occupation Coding in the Adult Education Component

1. General Approach

Industries and occupations reported in the 1999 National Household Education Survey (NHES:1999) Adult Education Interview were coded according to the rules of the *Standard Industrial Classification Manual* (1987) and *Standard Occupational Classification Manual* (1980). Rather than using highly detailed categories for industry (SIC) and occupation (SOC), the NHES:1999 used aggregated categories, the same categories used in the NHES:1995. This coding manual provides general approaches to coding both industry and occupation. The 2-digit SIC and SOC codes associated with each of the NHES categories are provided in Sections 2 and 3, respectively. Finally, Section 4 provides a crosswalk of industry and occupation categories between the NHES:1999 (1995) and the NHES:1991.

In general, the NHES:1999 **industry** categories are at the highest level of aggregation used in the *Standard Industrial Classification Manual* (1987), called *Divisions*. In a few cases, categories below the Division level that are of interest are broken out separately. These are at the level of *Major Groups*. For example, within Division I, health services and educational services categories are broken out.

The NHES:1999 categories for **industry** are:

01.	Agriculture, Forestry and Fishing	Division A
02.	Mining	Division B
03.	Construction	Division C
04.	Manufacturing	Division D
05.	Transportation, Communication, Electric, Gas and Sanitary Services	Division E
06.	Wholesale Trade	Division F
07.	Retail Trade	Division G
08.	Finance, Insurance, and Real Estate	Division H
09.	Services	Division I, except Major Groups 80 and 82
10.	Health Services	Division I, Major Group 80
11.	Educational Services	Division I, Major Group 82
12.	Public Administration	Division J
13.	Nonclassifiable Establishments	Division K

The **occupation** codes do not have Division levels like the industry codes (SIC); rather, there are various numerical groups, the most general of which have 2 digits. Some NHES:1999 occupation categories represent several 2-digit SOC classifications of occupations.

The NHES:1999 categories for **occupation** are:

01.	Executive, Administrative, and Managerial Occupations	SOC codes 11, 12, 13, and 14
02.	Engineers, Surveyors, and Architects	SOC code 16
03.	Natural Scientists and Mathematicians	SOC codes 17 and 18
04.	Social Scientists, Social Workers, Religious Workers, and Lawyers	SOC codes 19, 20, and 21
05.	Teachers: College, University, and other Postsecondary Institution; Counselors, Librarians, Archivists	SOC codes 22, 24, and 25
06.	Teachers, Except Postsecondary Institution	SOC code 23
07.	Health Diagnosing and Treating Practitioners	SOC codes 26, 27, and 28
08.	Registered Nurses, Pharmacists, Dieticians, Therapists, and Physician's Assistants	SOC codes 29 and 30
09.	Writers, Artists, Entertainers, and Athletes	SOC codes 32, 33, and 34
10.	Health Technologists and Technicians	SOC code 36
11.	Technologists and Technicians, except Health	SOC codes 37, 38, and 39
12.	Marketing and Sales Occupations	SOC codes 40, 41, 42, 43, and 44
13.	Administrative Support Occupations, including Clerical	SOC codes 45, 46, and 47
14.	Service Occupations	SOC codes 50, 51, and 52
15.	Agricultural, Forestry, and Fishing Occupations	SOC codes 55, 56, 57, and 58
16.	Mechanics and Repairers	SOC codes 60 and 61
17.	Construction and Extractive Occupations	SOC codes 63, 64, and 65
18.	Precision Production Occupations	SOC codes 67, 68, and 69
19.	Production Working Occupations	SOC codes 71, 73, 74, 75, 76, 77, and 78
20.	Transportation and Material Moving Occupations	SOC codes 81, 82, and 83
21.	Handlers, Equipment Cleaners, Helpers, and Laborers	SOC codes 85, 86, and 87
22.	Miscellaneous Occupations	SOC code 99

When coding **industry** and **occupation** codes in the NHES:1999, five variables were used. These variables include:

- Industry;
- Names of employer;
- Occupation;
- Main duties; and
- Educational attainment.

For the most part, two variables were used in coding the respondent's industry: the name of the employer and the respondent's description of the industry. In many cases, the industry string alone was sufficient to code the type

of industry (e.g., retail store). The NHES:1999 Adult Education Interview restricted data file[1] contains verbatim strings of the variables used for coding industry. The variables containing the verbatim strings are INDUSTRY For the respondent's industry and EMPLNAME for name of the respondent's employer.   The Adult Education Interview public use data file contains the industry codes under the variable names FSIC.

For coding occupation, coders relied primarily on the respondent's occupation and duties. The specific duties given by the respondent often helped to classify the occupation. The respondent's highest education was available to use when the occupation could not be coded with the job title and duties alone. The NHES:1999 Adult Education Interview restricted data file contains verbatim strings of the variables used for coding occupation. The variables containing the verbatim strings are PROFESS for the respondent's occupation and DUTIES for the respondent's main duties. The Adult Education Interview public use data file contains the occupation codes under the variable names FSOC.

The SIC and SOC coding categories used in the NHES:1999 are the same as the categories used in the NHES:1995. However, the SIC and SOC coding categories used in the NHES:1991 were slightly different from the NHES:1999 and the NHES:1995. A crosswalk is provided in section 4.

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[1]The restricted data file can be obtained under a special licensing agreement with NCES.

2. Industry (SIC) Coding

This section discusses the aggregated categories that were used for coding *industry* in the NHES:1999. Under each NHES category, there is a listing of the 2-digit SIC code categories that are included. For example, NHES industry code 01, Agriculture, Forestry, & Fishing, includes all SIC industry codes beginning with 01, 02, 07, 08, and 09. The NHES:1999 Adult Education Interview public data file contains the NHES industry codes; variable name is FSIC.

01 Agriculture, Forestry, and Fishing

This category includes all SIC codes associated with agriculture, forestry, and those associated with fishing, hunting, and trapping.

    01   Agriculture production-crops
    02   Agriculture production livestock and animal specialties
    07   Agriculture services
    08   Forestry
    09   Fishing, hunting, and trapping

02 Mining

This category includes SIC industry classifications for metal mining, coal mining, oil and gas extraction, and mining of nonmetallic minerals.

    10   Metal mining
    12   Coal mining
    13   Oil and gas extraction
    14   Mining and quarrying of nonmetallic minerals, except fuels

03 Construction

This NHES category includes all SIC categories associated with residential and nonresidential building construction; heavy construction such as highways, bridges, and tunnels; and special construction trade contractors such as in plumbing and heating, or electrical wiring.

    15   Building construction-general contractors and operative builders
    16   Heavy construction other than building construction-contractors
    17   Construction-special trade contractors

04 Manufacturing

This is a very broad category that includes the manufacture (making) of most kinds of products. The list below shows the 2-digit SIC codes that are included here. It is a comprehensive list including food, clothing, furniture, wood products, paper products, printing and publishing, chemical and petroleum industries (not including oil and gas extraction), rubber, glass, concrete, stone, and metal products, electronics and other equipment, transportation equipment, and measuring instruments like cameras, optical products, or medical products.

20   Food and kindred products
21   Tobacco products
22   Textile mill products
23   Apparel and other finished products made from fabrics and similar materials
24   Lumber and wood products, except furniture
25   Furniture and fixtures
26   Paper and allied products
27   Printing, publishing, and allied industries
28   Chemicals and allied products
29   Petroleum refining and related industries
30   Rubber and miscellaneous plastics products
31   Leather and leather products
32   Stone, clay, glass, and concrete products
33   Primary metal industries
34   Fabricated metal products, except machinery and transportation equipment
35   Industrial and commercial machinery and computer equipment
36   Electronic and other electrical equipment and components, except computer equipment
37   Transportation equipment
38   Measuring, analyzing, and controlling instruments; photographic, medical and optical goods; watches and clocks
39   Miscellaneous manufacturing industries

05 Transportation and Public Utilities

This categories includes a variety of transportation fields including railroads; local transportation such as busses, commuter coaches, streetcars, and taxis; and air transportation. In addition, it includes public utilities such as postal service, pipelines, electric, and gas; and communications, including telephones, cable, radio and television.

40   Railroad transportation
41   Local and suburban transit and interurban highway passenger transportation
42   Motor freight transportation and warehousing
43   United States Postal Service
44   Water transportation
45   Transportation by air
46   Pipelines, except natural gas
47   Transportation services
48   Communications
49   Electric, gas, and sanitary services

06 Wholesale Trade

Wholesale trade refers to the sale of goods to retailers, contractors, business users, those acting as their agents, or to other wholesalers. It includes durable goods such as machinery and appliances, furniture and home furnishings, construction materials, and so on. It also includes wholesale trade of nondurable goods like clothing, paper products, groceries, chemicals, books and newspapers, and so on.

- 50 Wholesale trade-durable goods
- 51 Wholesale trade-nondurable goods

07 Retail Trade

Retail trade refers to establishments engaged in selling merchandise for personal or household consumption, and providing services incidental to the sale of goods. The categories below show the wide range of retail trade establishments included in this NHES category.

- 52 Building materials, hardware, garden supply, and mobile home dealers
- 53 General merchandise stores
- 54 Food stores
- 55 Automotive dealers and gasoline service stations
- 56 Apparel and accessory stores
- 57 Home furniture, furnishings, and equipment stores
- 58 Eating and drinking places
- 59 Miscellaneous retail

08 Finance, Insurance, and Real Estate

This category includes financial institutions such as banks, savings institutions, credit unions, and mortgage bankers and brokers. It also includes securities and commodities brokers and dealers, the insurance industry, real estate, and other investment business.

- 60 Depository institutions
- 61 Nondepository credit institutions
- 62 Security and commodity brokers, dealers, exchanges, and services
- 63 Insurance carriers
- 64 Insurance agents, brokers, and service
- 65 Real estate
- 67 Holding and other investment offices

09 Services

Services are businesses engaged in providing a wide variety of services for individuals, business and government, and other organizations. These businesses include hotels and lodging places; establishments providing personal, business, repair, and amusement services; legal, engineering and other professional services; and membership organizations.

    70   Hotels, rooming houses, camps, and other lodging places
    72   Personal services
    73   Business services
    75   Automotive repair, services, and parking
    76   Miscellaneous repair services
    78   Motion pictures
    79   Amusement and recreation services
    81   Legal services
    83   Social services
    84   Museums, art galleries, and botanical and zoological gardens
    86   Membership organizations
    87   Engineering, accounting, research, management, and related services
    88   Private households
    89   Miscellaneous services

****
*NOTE: Two kinds of services industries (**Health Services** and **Educational Services**) are **NOT** included in here. There are two separate NHES categories for them, shown below.*
****

10 Health Services

Health services include doctors' and dentists' offices and clinics, other health practitioners' offices, nursing and personal care facilities, hospitals, medical and dental laboratories, home health care services, and miscellaneous health and allied health services.

    80   Health services

11 Educational Services

Educational services include elementary and secondary schools, colleges and junior colleges, universities, professional schools (e.g., medical or law school), vocational schools, libraries, and other schools and educational services.

    82   Educational services

12 Public Administration

This category includes executive, legislative, judicial, administrative and regulatory activities of Federal, State, local, and international governments. It does not include private business establishments, which are included in other categories based on the activity in which they are engaged. For example, a private accounting firm that conducts independent audits for a local government agency would be included in 09, Services, not in 12, Public Administration.

91 Executive, legislative, and general government, except finance
92 Justice, public order, and safety
93 Public finance, taxation, and monetary policy
94 Administration of human resource programs
95 Administration of environmental quality and housing programs
96 Administration of economic programs

13 Nonclassifiable Establishments

This group includes establishments that cannot be placed in any other industry.

99 Nonclassifiable establishments

3. Occupation (SOC) Coding

This section describes the aggregated categories that were used for coding *occupation* in the NHES:1999. Under each NHES occupation category, there is a listing of the 2-digit SOC categories that are included. For example, NHES occupation code 01, Executive, Administrative, and Managerial Occupations includes SOC industry codes beginning with 11, 12/13, and 14. The NHES:1999 Adult Education Interview public data file contains the NHES occupation codes and variable name is FSOC.

---

01 Executive, Administrative, and Managerial Occupations

This category includes top and middle management occupations and occupations that directly support management. Top level managers are persons concerned with policy making, planning, staffing, directing and/or controlling activities. Middle managers include persons who plan, or organize, direct and/or control activities at the operational level. Legislators are also included in this category. Workers in this category are not directly concerned with the fabrication of products or with the provision of services. Other officials and administrators include consultants, library directors, customer-house brokers, and location managers.

- 11   Officials and administrators, public administration
- 12/13 Officials and administrators, other
- 14   Management related occupations

****
NOTE: Supervisors generally supervise and coordinate activities of workers engaged in one or more occupations and they are categorized with the occupation they supervise. For example, supervisors of agricultural workers are included in Category 15 (Agricultural, Forestry, and Fishing Occupations). On the other hand, managers plan, organize, direct, and control the major functions of an industrial, commercial, governmental, or other establishment.
****

---

02 Engineers, Surveyors, and Architects

The category includes occupations concerned with applying principles of architecture and engineering in the design and construction of buildings, equipment and processing systems, highways and roads, and land utilization.

- 16   Engineers, surveyors, and architects

---

03 Natural Scientists and Mathematicians

This category includes those engaged primarily in the application of scientific principles to research and development. Natural scientists are those in the physical sciences (e.g., chemistry, physics) and the life sciences (e.g., biology, agriculture, medicine). In addition, this category includes those in computer science, mathematics (including statistics), and operations research.

- 17 Computer, mathematical, and operations research occupations
- 18 Natural scientists

****

*NOTE: Those who **teach** in these fields are classified under teaching (see 05 and 06).*

****

04 Social Scientists, Social Workers, Religious Workers, and Lawyers

This division includes occupations concerned with the social needs of people and in basic and applied research in the social sciences.

- 19 Social scientists and urban planners
- 20 Social, recreation, and religious workers
- 21 Lawyers and judges

05 Teachers: College, University, and other Postsecondary Institution; Counselors, Librarians, Archivists

This NHES category includes those who teach at higher education institutions and at other postsecondary (after high school) institutions, such as vocational institutes. In addition, vocational and educational counselors, librarians, and archivists are included here.

- 22 Teachers; college, university, and other postsecondary institution
- 24 Vocational & educational counselor
- 25 Librarians, archivists, and curators

06 Teachers, except Postsecondary Institution

This category includes prekindergarten and kindergarten teachers, elementary and secondary teachers, special education teachers, instructional coordinators, and adult education teachers (outside postsecondary).

- 23 Teachers, except postsecondary institution

****

NOTE: While early childhood underlinedteachers are included in this category, child care workers at day care centers are classified under Category 14 (Service Occupations).

****

07 Health Diagnosing and Treating Practitioners

This category includes health care professionals who diagnose and treat patients. In addition to physicians, dentists, and veterinarians, this category includes optometrists, podiatrists, and other diagnosing and treating professionals, such as chiropractors, hypnotherapists, and acupuncturists.

26 Physicians and dentists
27 Veterinarians
28 Other health diagnosing and treating practitioners

****
NOTE: This category does not include registered nurses, LPNs, or assisting health occupations. Registered nurses are included in Category 08 (Registered Nurses, Pharmacists, Dieticians, Therapists, and Physician's Assistants). LPNs are included in Category 10 (Health Technologists and Technicians). Assisting health occupations (e.g., nurse's aides or dental assistants) are included under Category 14 (Service Occupations).
****

08 Registered Nurses, Pharmacists, Dieticians, Therapists, and Physician's Assistants

This category includes occupations concerned with the maintenance of health, the prevention of illness, and the care of the ill through the provision and supervision of nursing care; compounding drugs, planning food service or nutritional programs; providing assistance to physicians; and the provision of therapy and treatment as directed by physicians.

29 Registered nurses
30 Pharmacists, dietitians, therapists, & physician's assistants

****
NOTE: This category does not include assisting occupations, such as nurse's aides or dental assistants, etc., which are included under Category 14 (Service Occupations). LPNs are included under Category 10 (Health Technologists and Technicians).
****

09 Writers, Artists, Entertainers, and Athletes

This occupational category includes occupations concerned with creating and executing artistic works in a personally interpreted manner, by painting, sculpting, drawing, engraving, etching, and other methods; creating designs for products and interior decorations; designing and illustrating books, magazines, and other publications; writing; still, motion picture and television photography/filming; producing, directing, staging, acting, dancing, singing in entertainment; and participating in sports and athletics as competitor or player and administering and directing athletic programs.

32 Writers, artists, performers, and related workers
33 Editors, reporters, public relations specialists, and announcers
34 Athletes and related workers

10 Health Technologists and Technicians

This category includes occupations concerned with providing technical assistance in the provision of health care. For example, clinical laboratory technologists and technicians, dental hygienists, radiologic technicians, licensed practical nurses (LPNs), and other health technologists are included here.

    36 Health technologists and technicians

****
NOTE: Nurse's aides or dental assistants are included under Category 14 (Service Occupations).
****

11 Technologists and Technicians, except Health

This group includes those providing technical assistance in engineering and scientific research, development, testing, and related activities, as well as operating and programming technical equipment and systems.

    37 Engineering and related technologists and technicians
    38 Science technologists and technicians
    39 Technicians; except health, engineering, and science

12 Marketing and Sales Occupations

This category includes occupations involving selling goods or services, purchasing commodities and property for resale, and conducting wholesale or retail business.

    40 Supervisors; marketing and sales occupations
    41 Insurance, securities, real estate, and business service sales occupations
    42 Sales occupations, commodities except retail
    43 Sales occupations, retail
    44 Sales related occupations

13 Administrative Support Occupations, including Clerical

Occupations involving preparing, transcribing, transferring, systematizing, and preserving written communications and records; collecting accounts; gathering and distributing information; operating office machines and data processing equipment; operating switchboards; distributing mail and messages; and other support and clerical duties such as bank teller, data entry keyer, etc.

    45 Supervisors; administrative support occupations, including clerical
    46-47 Administrative support occupations, including clerical

14 Service Occupations

The category includes occupations providing personal and protective services to individuals, and current maintenance and cleaning for building and residences. Some examples include food service, health service (e.g, aides or assistants), cleaning services other than household, and personal services.

    50   Private household occupations
    51   Protective service occupations
    52   Service occupations, except private household and protective

****
NOTE: Cooks and clerks at fast-food restaurants are included in this category.
****

15 Agricultural, Forestry, and Fishing Occupations

This category is concerned with the production, propagation (breeding/growing), gathering, and catching of animals, animal products, and plant products (timber, crop, and ornamental); the provision of services associated with agricultural production; and game farms, fisheries, and wildlife conservation. "Other agricultural and related occupations" include occupations concerned with the production and propagation of animals, animal products, plants and products (crops and ornamental).

    55   Farm operators and managers
    56   Other agricultural and related occupations
    57   Forestry and logging occupations
    58   Fishers, hunters, and trappers

****
NOTE: Landscape gardeners are included in this category.
****

16 Mechanics and Repairers

Mechanics and repairers are persons who do adjustment, maintenance, part replacement, and repair of tools, equipment, and machines. Installation may be included if installation is usually done in conjunction with other duties of the repairers.

    60   Supervisors; mechanics and repairers
    61   Mechanics and repairers

17 Construction and Extractive Occupations

This category includes occupations that normally are performed at a specific site, which will change over time, in contrast to production workers, where the work is usually at a fixed location. Construction workers include those in overall construction, brickmasons, stonemasons, carpenters, electricians, drywall installers, paperhangers and painters, etc. Extractive occupations include oil well drillers, mining machine operators, and so on.

    63   Supervisors; construction and extractive occupations
    64   Construction trades
    65   Extractive occupations

18 Precision Production Occupations

Precision production includes occupations concerned with performing production tasks that require a high degree of precision or attainment of rigid specification and operating plants or large systems. Examples are tool and die makers, pattern and model makers, machinists, jewelers, engravers, and so on. Also included are some food-related occupations including butchers and bakers. Plant and system operators include water and sewage, gas, power, chemical, petroleum, and other plant or system operators.

    67   Supervisors; precision production occupations
    68   Precision production occupations
    69   Plant and system operators

19 Production Working Occupations

This category includes occupations concerned with setting up, operating, and tending of machines and hand production work usually in a factory or other fixed place of business.

    71   Supervisors; production occupations
    73-74 Machine Setup operators
    75-76 Machine operators and tenders
    77   Fabricators, assemblers, and hand working occupations
    78   Production inspectors, testers, samplers, and weighers

20 Transportation and Material Moving Occupations

This category includes occupations concerned with operating and controlling equipment used to facilitate the movement of people or materials and the supervising of those workers.

    81   Supervisors; transportation and material moving occupations
    82   Transportation occupations
    83   Material moving occupations, except transportation

21 Handlers, Equipment Cleaners, Helpers, and Laborers

This category includes occupations that involve helping other workers and performing routine nonmachine tasks. A wide variety of helpers, handlers, etc., are included in this category. Examples include construction laborers, freight, stock, and material movers, garage and service station related occupations, parking lot attendants, and vehicles washers and equipment cleaners.

    85 Supervisors; handlers, equipment cleaners, helpers, and laborers
    86 Helpers
    87 Handlers, equipment cleaners and laborers

22 Miscellaneous Occupations

Occupations that are not included in any of the categories above are included here.

    99 Miscellaneous occupations

4. Crosswalk of Industry and Occupation Categories between NHES:1999 (and 1995) and NHES:1991

This section provides information on a crosswalk of industry and occupation categories between the NHES:1999 (and 1995) and the NHES:1991. Tables 1 and 2 are keyed to the NHES:1999 (and 1995) industry and occupation categories. The NHES:1991 industry and occupation categories are grouped according to the NHES:1999 (and 1995) categories to which they correspond.

Table 1. -- Crosswalk of Industry Categories between NHES:1999 (1995) and NHES:1991

          NHES:1999 (1995) Industry Codes   NHES:1991 Industry Codes
----

NHES:1999 (1995) Industry Codes	NHES:1991 Industry Codes	
01 Agriculture, Forestry and Fishing	A	Agriculture, Forestry and Fishing
02 Mining	B	Mining
03 Construction	C	Construction
04 Manufacturing	D	Manufacturing
	D35	Industrial Machinery and Equipment
	D36	Electronic and Other Electric Equipment
	D37	Transportation Equipment
05 Transportation, Communication, Gas and Sanitary, Electric Services	E	Transportation and Public Utilities
	E41	Local and Interurban Passenger Transit
	E42	Trucking and Warehousing
	E43	U.S. Postal Service
	E48	Communication
	E49	Electric, Gas, and Sanitary Services
06 Wholesale Trade	F	Wholesale Trade
07 Retail Trade	G	Retail Trade
08 Finance, Insurance, and Real Estate	H	Finance, Insurance, and Real Estate
09 Services	I	Services
	I737	Computer and Data Processing
	I81	Legal Services
	I87	Engineering and Management
10 Health Services	I80	Health Services

Table 1. -- Crosswalk of Industry Categories between NHES:1999 (1995) and NHES:1991 (continued)

| NHES:1999 (1995) Industry Codes | NHES:1991 Industry Codes |

----

11 Educational Services	I821 Elementary and Secondary Education
	I822 Colleges and University
	I824 Vocational School

12 Public Administration	J Public Administration
	J914 Federal Government
	J915 State and Local Government
	J971 National Security

| 13 Nonclassifiable Establishments | K   Nonclassifiable Establishments |

Table 2. -- Crosswalk of Occupation Categories between NHES:1999 (1995) and NHES:1991

	NHES:1999 (1995) Occupation Codes		NHES:1991 Occupation Codes

---

01	Executive, Administrative, and Managerial Occupations	A	Executive, Administrative, and Managerial Occupations
02	Engineers, Surveyors, and Architects	B	Engineers, Surveyors, and Architects
03	Natural Scientists and Mathematicians	C C171	Natural Scientists and Mathematicians Computer Scientists
04	Social Scientists, Social Workers, Religious Workers, and Lawyers	D19 D20 D21	Social Scientists, and Urban Planners Social, Recreational, and Religious Workers Lawyers and Judges
05	Teachers: College, University, and other Postsecondary Institution; Counselors, Librarians, Archivists	E22 E24 E25	Teachers: College, University, and Postsecondary Institution Vocational and Educational Counselors Librarians, Archivists, and Curators
06	Teachers, Except Postsecondary Institution	E23	Teachers, except Postsecondary Institution
07	Health Diagnosing and Treating Practitioners	F26 F27 F28	Physicians and Dentists Veterinarians Other Health Diagnosing and Treating Practitioners
08	Registered Nurses, Pharmacists, Dieticians, Therapists, and Physician's Assistants	F29 F30	Registered Nurses Pharmacists, Dietitians, Therapists, and Physician's Assistants
09	Writers, Artists, Entertainers, and Athletes	H	Writers, Artists, Entertainers, and Athletes
10	Health Technologists and Technicians	I	Health Technologists and Technicians
11	Technologists and Technicians, except Health	J37 J38 J39	Engineering/Technologists and Technicians Science Technologists and Technicians Technicians; except Health, Engineering and Science
12	Marketing and Sales Occupations	K	Marketing and Sales Occupations

Table 2. -- Crosswalk of Occupation Categories between NHES:1999 (1995) and NHES:1991 (Continued)

NHES:1999 (1995) Occupation Codes	NHES:1991 Occupation Codes

---

13 Administrative Support Occupations, including Clerical	L Administrative Support Occupations, including Clerical
14 Service Occupations	M Service Occupations
15 Agricultural, Forestry, and Fishing Occupations	N Agricultural, Forestry, and Fishing Occupations
16 Mechanics and Repairers	O Mechanics and Repairers O611 Vehicle, Mobile Equipment, Mechanics and Repairers O615 Electric, Electronic Equipment Repairers
17 Construction and Extractive Occupations	P Construction and Extractive Occupations
18 Precision Production Occupations	Q Precision Production Occupations
19 Production Working Occupations	R Production Working Occupations
20 Transportation and Material Moving Occupations	S Transportation and Material Moving Occupations S821 Motor Vehicle Operators
21 Handlers, Equipment Cleaners, Helpers, and Laborers	T Handlers, Equipment Cleaners, Helpers, and Laborers
22 Miscellaneous Occupations	Z Unemployed, Retired, Disabled, Unclassifiable Occupation
NOT AVAILABLE	U Military Occupations

References

Standard Industrial Classification Manual. (1987). Washington, DC: Executive Office of the President, Office of Management and Budget.

Standard Occupation Classification Manual. (1980). Washington, DC: U.S. Department of Commerce, Office of Federal Statistical Policy and Standards.

APPENDIX I

MAJOR FIELD OF STUDY CODING MANUAL

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Table of Contents

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CODING MAJOR FIELDS OF STUDY

I. BACKGROUND

The Adult Education Interview of the 1999 National Household Education Survey (NHES:1999) collected major fields of study (MFOS) of credential programs. Credential programs include any programs that award vocational or technical diplomas, associate's degrees, bachelor's degrees, master's degrees, doctorates, and professional degrees beyond a bachelor's degree. Each string of MFOS reported by the respondents was coded using two-digit categories of the *Classification of Instructional Programs* (*CIP*).[2] The MFOS coding categories and coding procedures that were developed for the Adult Education component of the NHES:1995 were used for the NHES:1999.

This manual provides individuals (called "coders") who wish to code MFOS verbatim strings and individuals (called "supervisors") who are responsible for supervising coding staff with the step-by-step procedures necessary to determine appropriate codes. It also includes specific decision rules that can be implemented for assigning codes to ambiguous verbatim strings of MFOS. Therefore, when assigning MFOS codes, the coders and supervisors are strongly encouraged not only to use verbatim strings of MFOS, but also to review and implement the decision rules discussed in this manual (see the Resolution of Ambiguous Verbatim Strings section). This manual includes the following five major sections:

- Coding Procedures;
- Resolution of Ambiguous Verbatim Strings;
- List of 2-digit CIP Categories;
- Alphabetic Index of All CIP Codes; and
- List of MFOS Examples in Each Category.

II. CODING PROCEDURES

Verbatim strings of MFOS reported by the respondents are the primary information used to determine appropriate MFOS codes. There are many cases in which verbatim strings exactly match the MFOS listed in the Alphabetic Index of All CIP Codes (e.g., Agriculture, Chemistry, Computer Sciences, Educational Psychology, Structural Engineering, etc.). In other cases, however, verbatim strings do not match the MFOS listed in the Alphabetic Index of All CIP Codes. Before assigning MFOS codes, it is necessary to refer to the *CIP* manual to obtain further information and to ensure that the placement of these cases is appropriate. At the same time, additional information, such as degree types and providers may be used to assist the coders in assigning appropriate codes. In the NHES:1995, course names reported in the credential section of the interview were also used, if available, to help coders assign appropriate codes; however, the credential course names were not collected in the NHES:1999.

It is important to note here that the use of course information in determining appropriate codes was not particularly fruitful in the NHES:1995. In some studies, full transcript information is used to code courses and major fields of study, and course catalogues from the institutions may also be available. This was not the case in the NHES:1995, which was a telephone survey of persons in their homes. Course names in the NHES:1995 were not collected for all credential programs, only for part-time enrollment. Also, because respondents used their own words to describe both courses and programs, course names were sometimes ambiguous. Finally, some

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[2]Morgan, R.L., Hunt, E.S., & Carpenter, J.M. (1990 Edition). *Classification of instructional programs*. U.S. Department of Education, Office of Educational Research and Improvement, NCES 91–396.

respondents were taking courses for general requirements or electives, so that their courses did not provide information to clarify the major field of study.

Specific Coding Steps

Assigning MFOS codes involves up to seven steps. It is not necessary to take all seven steps for all cases. Steps 1 through Step 3 are used to determine the most appropriate MFOS code for the majority of cases; however, all seven steps are sometimes necessary before assigning appropriate MFOS codes. The seven steps are described below.

Step 1   Read verbatim string of MFOS.

Step 2   Search for matching strings from the Alphabetic Index of All CIP Codes found in section V of this manual.

Step 3   If the verbatim string matches one of the strings in the Alphabetic Index of All CIP Codes, identify the category and enter the 2-digit code for the case. Then, go to the next case. Otherwise, go to Step 4.

Step 4   Because respondents use their own words when reporting major fields of study, the verbatim strings do not always exactly match strings in the Alphabetic Index of All CIP Codes. If the substantive area of study clearly fits into the strings found in the Alphabetic Index of All CIP Codes, the coder should identify the category and enter the 2-digit code for the case.

To determine the substantive areas of the field of study, the noun of the verbatim string generally provides more of the substance than the adjective. For example, the substantive area for interior design is "design," which is a part of the visual and performing arts. Since the Alphabetic Index of All CIP Codes contains the exact string (see page F-29 of this manual), the appropriate MFOS code for interior design is Category 50 (Visual and Performing Arts).

However, there are other cases in which the adjective of the verbatim string provides more of the substance than the noun. For example, if the verbatim response of the MFOS is architectural design, the Alphabetic Index of All CIP Codes contains several strings (i.e., architecture, architectural environmental design, and architectural urban design and planning) that relate to the reported verbatim string. In this case, category 04 (Architecture & Related Programs) would be the appropriate code, because the substantive area appears to be "architecture" rather than "design" in this case. **It is important to note that although Category 04 is the right placement for architectural design, the coders should always look at the noun string (i.e., design) to ensure that assigned codes are most appropriate.**

Step 5   If the verbatim string does not match the strings in the Alphabetic Index of All CIP Codes at all, coders should refer to the *CIP* manual for further information. In order to look for information in the *CIP* manual, they should refer to the list of CIP categories found in this manual (see page F-16) and identify possible placement using substantive areas of MFOS (i.e., business, education, sciences, engineering, etc.) that the verbatim string best represents. Then, they should read the information in the *CIP* manual and enter the code if the information describes the substantive area of the verbatim string.

For example, if the verbatim string of the MFOS is counseling, this case could be coded in either 13, Education or 42, Psychology. In this case, the coders need to refer to both the education and the psychology sections in the *CIP* manual to examine which section contains information that

describes the reported verbatim string. Since the reported verbatim string does not contain the word "education," and the *CIP* manual includes the vast majority of counseling programs in the psychology section (see page 137 of the *CIP* manual), this case should be assigned to 42, Psychology.

Remember that this manual also includes a number of specific decision rules for assigning MFOS codes for ambiguous verbatim strings. You should review any relevant information in section III.

Step 6   If coders have difficulty determining appropriate 2-digit codes from the *CIP* manual, they should write problems along with case ID numbers on a problem log sheet. A problem log of these cases should be maintained and supervisors should review these cases on a flow basis.

When recording the problems, the coders are asked to indicate alternative codes that they consider and the final codes that they assign to the problem cases. Supervisors should review all alternative codes before determining the most appropriate codes for the problem cases.

Example: If the reported verbatim string of MFOS is air conditioning and refrigeration and the coder has difficulty in assigning a code, the coder records this case in the problem log. The coder indicates that he/she considered three possible codes for this case (i.e., 14, Engineering; 15, Engineering-Related Technologies; or 47, Mechanics & Repairs) and assigned 91, Indeterminable. Then, the supervisor first reviews the three codes that the coder indicated and will look for any other alternative codes before assigning the final code.

When the reported verbatim strings do not appear to be representative of a true MFOS string, the coders should also record these verbatim strings on the problem log sheet.

Example: If the verbatim strings of MFOS are a bachelor of art & science or an associate of art, these are simply undifferentiated bachelor's or associate's degree titles. These cases should be assigned to 91, Indeterminable, since the content is not distinct enough to assign the case to a specific discipline.

Step 7   If the information reported by the respondents is not sufficient to determine an appropriate code, then code 91, Indeterminable, should be assigned. Before assigning the Indeterminable code, coders should refer to the *CIP* manual as well as the decision rules included in this manual.

The coders should be instructed not to make any decisions that exceed the rules in this manual or the *CIP* manual. All cases assigned to 91, Indeterminable, should be reviewed by supervisors for alternative coding assignment.

III. RESOLUTION OF AMBIGUOUS VERBATIM STRINGS

There are some cases in which assigning appropriate MFOS codes is difficult for coders using the Alphabetic Index of All CIP Codes, mainly because respondents used their own words to describe MFOS. As stated in Step 6, these ambiguous verbatim strings should be recorded on the problem log sheet and reviewed by supervisors for possible placement.

When reviewing these ambiguous cases, supervisors will usually find that the *CIP* manual provides information for them to determine the most appropriate MFOS codes for them. Although the *CIP* manual does not specify programs based on the type of degree or provider, this additional information can also be used to assign appropriate MFOS codes. For example, "electrical" should be coded 14, Engineering if the degree type is a bachelor's degree or higher, but "electrical" should be coded 15, Engineering-Related Technologies if the degree type is an associate's degree or vocational/technical diploma. The first section below includes examples of ambiguous cases for which degree and provider are useful in assigning codes.

The following is a discussion of ambiguous verbatim strings of MFOS recorded by the coders in the NHES:95 AE component. In the problem log sheet, the coders indicated that they were unsure about assigning codes for these ambiguous cases. To determine MFOS codes for them, specific decision rules were formulated for the cases, as needed.

In some cases, particularly in the very early stages of coding, cases were identified as problematic when they did, in fact, appear in the *CIP* manual. In these cases, the coders may have been unsure of the general area in which to look for the appropriate code. In some cases, the respondent may have used a technical term with which coders were unfamiliar, and they did not have sufficient information to begin their search (i.e., see Horology, below). In many of these cases, coders did not identify possible coding categories in the problem log. As a result of this initial difficulty, assignment of MFOS codes for the vast majority of the ambiguous cases is based on the information found in the *CIP* manual; page numbers of the *CIP* manual are indicated. The use of some of these examples in future training, and their inclusion in training exercises, may help to avoid the need to review some of these types of cases in future coding efforts.

In other cases, the response reported in the interview was truly ambiguous, and additional decision rules were needed for the classification of these cases. Both coders and supervisors are strongly advised to be familiar with decision rules included in this manual and to implement them, whenever necessary. The following is divided into three sections: (1) ambiguous engineering and health programs, (2) real estate programs, and (3) other ambiguous programs.

Ambiguous Engineering and Health Programs

This section covers those ambiguous engineering and health programs for which degree and provider are helpful in assigning the MFOS codes. Remember that the *CIP* manual does not specify by level so the degree/provider rule is not always helpful in determining the appropriate MFOS code. It should be noted that when more than one plausible code remains after considering degree/provider, the detailed description of content areas in the *CIP* manual should be used to select the appropriate MFOS code. The general rule is that if the degree is less than a bachelor's degree, or the provider is a vocational school or technical institute, the program should be coded at the vocational level, e.g., 15, Engineering-Related Technologies. On the other hand, if the provider is a 4-year college or university, or the degree is a bachelor's degree or above, the program should be coded at the more technical level, e.g., 14, Engineering or 51, Health Professions and Related Sciences.

Below is a discussion of verbatim strings illustrating the process of reviewing possible codes and implementing decision rules related to degrees or providers. These appear in alphabetical order within the engineering-related group and the health-related group.

Aeronautic science: The term "aeronautic" appears in both category 14, Engineering (e.g., aerospace and aeronautical engineering, *CIP* manual, page 85), and in category 49, Transportation & Materials Moving Workers (the *CIP* manual includes aviation and airway science, aircraft pilot and navigator, and air traffic controller programs in CIP category 49 (*CIP* manual, page 159). The reported MFOS does not include the term "engineering," which would suggest its placement in category 14. As a result, this case should be coded 49, Transportation & Materials Moving Workers since it more closely matches the response as given.

Air conditioning and refrigeration: This case could be assigned to one of three categories: 14, Engineering; 15, Engineering-Related Technologies; or 47, Mechanics & Repairs. The choice between these three codes should be made on the basis of the verbatim strings, the type of provider, and the degree sought. Engineering includes such "scientific" engineering fields as aerospace engineering, chemical engineering, electrical engineering, engineering physics, etc., and so is eliminated as a possible category. Mechanics and repairers, 47 includes installing and repairing electrical equipment and machines, and appears to be a possible placement. However, this case should be coded 15, Engineering-Related Technologies, because the *CIP* manual includes heating, air conditioning and refrigeration technologies, technicians in support of engineers and other professionals. Also, the degree sought in this case seems to support more than a refrigerator repair man.

See also, *Heating, ventilation, and refrigeration*, below.

Architectural: This case could be coded in one of four MFOS categories: 04, Architecture & Related Programs; 14, Engineering; 15, Engineering-Related Technologies; or 48, Precision Production Trades. This is because the term "architectural" appears in each of these categories in the *CIP* manual. According to the *CIP* manual, architecture and architectural urban design and planning programs are included in CIP category 04. Architectural engineering technology is included in engineering-related technologies (*CIP* manual, page 93), and architectural engineering programs are included in CIP category 14 (*CIP* manual, page 58). Architectural drafting is included under precision production trades, 48 (*CIP* manual, page 155). The reported name of the program is architectural and the reported verbatim string does not include the words "engineering" or "drafting." The verbatim reporting of "architectural" indicates that the key content is architecture. This case is assigned to 04, Architecture & Related Programs.

Electrical: Electrical technology fields are included in 15, Engineering-Related Technologies, while electrical and electronics equipment installers and repairers are included in 47, Mechanics and Repairers. There is no mention of engineering or repairing in the information reported for this program. However, electrical engineering is included in category 14, Engineering. Based on the decision rules associated with the provider and degree type, this case is coded 15, Engineering-Related Technologies since the degree is an associate's degree. If, however, the degree is a bachelor's degree or higher, then the case would be coded 14, Engineering.

Also see *Electrical theory*, *Electronics*, and *Electronics engineering*, below.

Electrical theory: The decision rule is the same as for the response "electrical," that is, the decision rules based on the provider and degree type. This major is coded 14, Engineering.

Electronics: This response could be assigned to either 15, Engineering-Related Technologies or 47, Mechanics & Repairers, both of which include subfields related to electronics technology. If this is a vocational/technical program and there is no mention of repairs in the name of the program reported by the respondent, this case is coded 15, Engineering-Related Technologies. If the respondent was pursuing a

bachelor's degree or higher, this would have been coded as 14, Engineering, a category that also includes electronics programs.

See also *Electrical* and *Electrical theory*, above, and *Electronics engineering*, below.

Electronics engineering: This case could be assigned to either 14, Engineering or 15, Engineering-Related Technology. Since the degree type is a bachelor's degree or higher, this case should be coded 14, Engineering. The *CIP* manual includes electronic engineering programs in CIP category 14 (*CIP* manual, page 87). However, if the degree is an associate's degree or lower, then the case would be coded 15, Engineering-Related Technology.

Heating, ventilation, refrigeration: This case could be assigned to one of three categories: 14, Engineering; 15, Engineering-Related Technologies; or 47, Mechanics & Repairers. Engineering, however, includes such scientific engineering fields as aerospace engineering, chemical engineering, electrical engineering, engineering physics, etc., and so is eliminated as a possible category. Engineering-Related Technologies, 15, includes programs that prepare individuals to apply basic engineering principles and technical skills in support of engineering and related projects. This category appears to be more engineering-related and thus can be eliminated. Mechanics and repairers includes installing and repairing electrical equipment and machines, and appears to be a possible placement. The respondent reported participating in an associate's degree with a provider of a federal, state, county, or local government agency. This case is coded 47, Heating, Air Conditioning and Refrigeration Mechanic and Repairers, because the *CIP* manual explicitly includes heating, air conditioning and refrigeration mechanics and repairers in CIP category 47 (*CIP* manual, page 95) and because the respondent's degree program is consistent with the CIP category.

Also see *Air conditioning and refrigeration*, above.

Industrial wire & technology: This case could be assigned to either 15, Engineering-Related Technologies or 47, Mechanics & Repairers. Engineering-related technology includes industrial production technologies (*CIP* manual, page 96). Mechanics and repairers includes electrical and electronics equipment installation and repair (*CIP* manual, page 151). The substantive area of this program appears to be engineering-related and the response does not include installation or repair.   The respondent was enrolled in a vocational/technical program at a public 2-year vocational/technical school. As a result, this case is coded 15, Engineering-Related Technologies.

Alcohol drug studies: The name of the program suggests that this MFOS is a health-related area, that is, this case can be assigned to either 34, Health-Related Knowledge & Skills or 51, Health Professions & Related Sciences. However, category 34 includes personal and family health fields such as birthing and parenting, personal health improvement, and additional prevention and treatment (which focuses on the individual or family). The *CIP* manual indicates that alcohol or drug preventive strategies and treatment programs are in CIP category 51 (*CIP* manual, page 179). The degree type the respondent pursued was an associate's degree at a 2-year community or junior college. Because the reported name (alcohol/drug studies) does not suggest that the field of study is for personal/family health and because the respondent reports taking this course as part of an associate's degree program at a 2-year community or junior college, this case is assigned to 51, Health Professions and Related Sciences.

See also, *Drug and alcohol abuse*, below.

Drug and alcohol abuse: See *Alcohol and Drug studies*, above. This case is assigned to 51, Health Professions and Related Sciences because the name of the program reported by the respondent, the degree type (bachelor's), and provider (4-year college or university) indicate that this MFOS is a health-related field. Additionally, the *CIP* manual includes drug and alcohol prevention strategies and treatment programs in CIP

category 51 (page 179). The response does not indicate that this program is for personal/family health. Category 34 of the *CIP* manual, Health-Related Knowledge & Skills, and category 37, Personal Awareness & Self-Improvement, are considered personal improvement fields.

Real Estate Programs

The following four entries all are related to real estate programs under various names. In general, these were listed by coders as problematic because real estate is generally thought of as a sales/marketing activity (under category 08), **but all real estate entries in the *CIP* manual appear under category 52, Business Management and Administrative Support.** In the NHES:95, a total of 29 real estate-related programs were reported and assigned to 52, Business Management & Administrative Services (3 percent of all programs coded 52).

Real estate: This case could be coded in either 08, Business, or 52, Business Management & Administrative Services. This case is assigned to 52, Business Management & Administrative Services. This respondent was pursuing a professional degree at an adult learning center.

Real estate appraisal: This case could be coded in either 08, Business Marketing, or 52, Business Management & Administrative Services. This case is assigned to 52, Business Management & Administrative Services. The reported degree is an associate's degree at a public 2-year vocational/technical school.

Real estate appraiser: This case could be coded in either 08, Business, or 52, Business Management & Administrative Services. This case is assigned to 52, Business Management & Administrative Services. The vocational/technical program was provided by a professional association.

Real estate law: The coder was unsure as to whether this case should be coded with other real estate fields or with law. Since the *CIP* manual contains real estate law programs in the business section instead of in the law section (*CIP* manual, page 198), this case is coded 52, Business Management & Administrative Services. The respondent was pursuing an associate's degree at a 4-year college or university.

Other Ambiguous Programs

The following are programs for which coders had difficulty assigning MFOS codes, discussions of possible codes, and justifications for the final codes assigned to these cases. These are discussed in alphabetical order.

Administration of justice: This case could be coded as 22, Law and Legal Studies, 43, Protective Services, or 44, Public Administration. Law and Legal Studies covers programs at the bachelor's degree or higher level. Protective services includes law-enforcement-related fields, such as criminal justice and corrections, law enforcement-police science, and criminal justice studies (*CIP* manual, page 40). Because of the term "administration" in the title given, 44, Public Administration is also examined to determine whether an appropriate string appears in that category (*CIP* manual, pages 141-142), however, the public administration listing does not include justice-related fields. This case is assigned to 43, Protective Services, because administration of justice is listed under criminal justice studies in the *CIP* manual (page 140).

Administrative office: Although this case was listed by a coder on the problem log, it does not appear to be ambiguous. At first glance, code 08, Marketing Operations/ Marketing and Distribution and 44, Public Administration and Services appear to be possibilities for this case. Careful inspection of Marketing Operations/Marketing and Distribution reveals that this code is for programs that prepare individuals to plan and execute, at the operational or direct sales level, the promotion and distribution of ideas, goods and services in

order to create exchanges that satisfy individual and organizational objectives. Nothing in the verbatim string indicates that this description fits this program. Public Administration and Services describes a group of programs that prepare individuals to analyze, manage, and deliver public programs and services. Again, nothing in the verbatim string indicates that this describes this program. The substantive area of the program appears to be business office administration. Since the *CIP* manual classifies this kind of program into CIP category 52 (*CIP* manual, page 191), this case is assigned to 52, Business Management and Administrative Services.

American Sign Language: This string was identified by a coder as one that he/she did not know how to code; however, it is not ambiguous. According to the *CIP* manual, sign language interpreter programs are included in CIP category 51 (*CIP* manual, page 170). This case is coded 51, Health Professions & Related Sciences.

Art: This case could be assigned to either 36, Leisure & Recreational Activities or 50, Visual & Performing Arts. Leisure and Recreational Activities includes areas such as art, music, dancing, reading, theater, writing, and personal-interest courses such as pet ownership and care, handicrafts and model-making, and so on. Visual and Performing Arts includes crafts, folk art, dance, design and applied arts, dramatic/theater arts, film/video and photographic arts, fine arts, and music. Category 50 also includes "art, general." The case is assigned a code of 36, Leisure & Recreation on the basis of the exact string match to the category "art" (*CIP* manual, page 207). The placement is somewhat arbitrary, given that a general art category is also found in category 50.

Associate of Art: This is simply an undifferentiated AA degree title. The content is not distinct enough to assign the case to a specific discipline. This case is assigned to 91, Indeterminable.

Associate of Science: This is simply an undifferentiated AS degree title. The content is not distinct enough to assign the case to a specific discipline. This case is assigned to 91, Indeterminable. The reader will note that the field *Science* alone (below) is assigned to a category. However, an associate or bachelor of science degree may be in many fields other than the sciences, such as engineering, health-related fields, psychology, and so on.

Bachelor of Art & Science: This is simply an undifferentiated bachelor's degree title. Since the content is not distinct enough to assign the case to a specific discipline, this case is assigned to 91, Indeterminable.

Bilingual certification: The name of the program reported by the respondent indicates that this certificate program might be designed for people who want to be bilingual teachers. However, the *CIP* manual must also be examined for programs for interpreters. No codes are found for bilingual interpreter programs, only for foreign language translation and interpreters in CIP category 16, Foreign Languages and Literature (*CIP* manual, page 99). However, since Bilingual/bicultural education is found to be classified in CIP category 13, Education (*CIP* manual, page 75), this case is assigned to 13, Education.

Caring for people: The coder was uncertain whether this response contained enough information to assign a code. The name of the program reported by the respondent suggests that this MFOS is a health-related area. Category 12, Personal and Miscellaneous Services, includes programs that prepare individuals to provide a variety of services to individual consumers as well as to organizations such as businesses and industries. Category 34, Health-Related Knowledge and Skills, includes programs that describe the promotion of personal and family health. Category 51, Health Professions and Related Sciences, includes health professions and paraprofessional fields involving a wide range of types of patient/client care (*CIP* manual, page 181). Since the respondent reported participating in a Home Health Aide certificate program at a private vocational or trade school, this case is coded as 51, Health Professions and Related Sciences, although the placement is somewhat arbitrary.

Certified production inventory: Although the coder questioned how this case should be coded, a review of the CIP categories indicates that this response is not ambiguous. Possible categories include 01, Agricultural Business and Production, 14, Engineering, 27, Mathematics, and 52, Business Management and Administrative Services. Agricultural Business and Production includes programs that apply specifically to agricultural business and production. There is no information from the respondent to indicate that this program was agriculturally oriented. Engineering (and more specifically, Engineering/Industrial Management) applies to engineering principles of planning and operational management of enterprises and organizations. The Operations Research subcategory under Mathematics describes programs in the development and application of complex mathematical or simulation models to solve problems involving operational systems. The respondent reported participating in a professional degree program at a 2-year community or junior college. The *CIP* manual includes inventory control programs in CIP category 52 (*CIP* manual, page 188), and the case is assigned to 52, Business Management and Administrative Services.

Communication and media art: This case could be coded in 09, Communications, 10, Communications Technologies, or 50, Visual & Performing Arts. Communications includes communications technology, photographic technology, and radio and television broadcasting and technology. Communications Technologies includes programs that prepare individuals to support and assist communications professionals and skilled communications workers. Nothing in the verbatim string indicates that this describes this course. Visual and performing arts includes fine arts, theater and dramatic arts, film and photographic arts. The field of study as reported by the respondent did not indicate performance-related activities, which characterize visual and performing arts fields. In the *CIP* manual, journalism and mass communication programs, including media such as newspapers journalism and radio and television broadcasting, are included in CIP category 9 (*CIP* manual, page 68). This case is assigned to 09, Communications.

Also see *Multimedia*, below.

Communications/accounting: This case appears to be a double major and thus is coded 91, Indeterminable.

Computer and accounting: The ambiguity in this response is a question as to whether it is possible to code this case since two fields are reported together. However, the substantive area of the program appears to be computer-related accounting. The *CIP* manual includes computer-related accounting programs (e.g., accounting software applications) in CIP category 52 (*CIP* manual, page 189). This case is coded 52, Business Management & Administrative Services.

Computer drafting auto CAD: This case could be assigned to either 11, Computer & Information Sciences or 48, Precision Production Trades. The computer and information sciences field is examined because the term "computer" was reported in the response. However, computer drafting is not found in the computer and information sciences field. The *CIP* manual includes computer drafting programs in precision production trades (*CIP* manual, page 155). The respondent was enrolled in a vocational/technical program at a public 2-year vocational/technical school. This case is assigned to 48, Precision Production Trades.

See also, *Computerized drafting*, below.

Computer graphics: This case could be coded in 11, Computer and Information Sciences or 50, Visual & Performing Arts. Computer and information sciences is examined because the response included "computer" in the name. Graphics programs, also part of the string, are included in the creative arts. The CIP category of computer and information science, however, does not include graphics. The *CIP* manual indicates that computer graphics programs are included in category 50 (*CIP* manual, page 162). This case is coded 50, Visual & Performing Arts.

Computerized drafting: This case could be assigned to either 11, Computer & Information Sciences or 48, Precision Production Trades. As noted above (see "Computer drafting auto CAD," above), the computer and information sciences field is examined because the term "computerized" was reported in the response. However, computer drafting is not found in the computer and information sciences field. The *CIP* manual places drafting programs including computer-assisted design programs in CIP category 48 (*CIP* manual, page 155). This case is assigned to 48, Precision Production Trades.

Conflict resolution: The only reference to "conflict" found in the *CIP* manual is in category 30, Multi/Interdisciplinary, which includes peace and conflict studies (*CIP* manual, page 122). However, it is not clear whether this MFOS refer to peace and conflict study, methods of dealing with conflict among persons or groups within a business, school, or other institution, or across institutions. Even under the latter possibility, the field is considered highly likely to be interdisciplinary in its content. As a result, this case is coded 30, Multi/Interdisciplinary.

Corporate fitness: The information provided by the respondent is not sufficient to determine an appropriate MFOS code. For example, this could be a program for someone earning a certificate in a management field that involves assessing the soundness of a company, or could be for someone earning a certificate in fitness (health) programs administered in a corporate environment. This case is coded 91, Indeterminable.

Counseling: This case could be coded in either 13, Education or 42, Psychology. The field of education includes student counseling and personnel services (*CIP* manual, page 79), and the field of psychology includes clinical psychology and counseling psychology (*CIP* manual, pages 136-137). Since the reported name of the program does not contain the string "education," this case is assigned to 42, Psychology (*CIP* manual, page 137).

See also, *Group counseling*, below.

Data processing: The *CIP* manual indicates that data processing technology programs are classified in CIP category 11 (*CIP* manual, page 71). Business Management and Administrative support are also reviewed; however, that category includes data <u>entry</u>, generally a clerical activity, but not data <u>processing</u>, generally a programming activity. This case is coded 11, Computer & Information Sciences.

Developing training programs: The type of training program is not specified in this response, resulting in the coder questioning its placement. Education is eliminated as a possible code because the string does not include education or specify a school environment. A very common venue for training programs is in the workplace, where people may be trained in policy, procedures, technical skills, and so on. As a result, the business categories are reviewed. Training programs are not a separate category under Human Resources in the *CIP* manual, but they are included in CIP category 52 (*CIP* manual, page 195). Thus, this case is coded 52, Business Management & Administrative Services.

Disciplinary studies: This case is an undifferentiated program and it is coded 91, Indeterminable. Multi/interdisciplinary studies is considered as a possible code, but the response as given does not specify multiple fields or an interdisciplinary approach.

Early childhood development: This case appears as if it could fit into 13, Education or 20, Vocational Home Economics. Because the name of the program appears to be very similar to an instruction in child growth and development, which is a home economics major title (*CIP* manual, page 106), and because education is not mentioned in the program name by the respondent, this case is coded 20, Vocational Home Economics.

Early childhood education: The response is not ambiguous. Categories 19, Home Economics, and 42, Psychology, may at first glance be considered but a closer look shows that Home Economics describes individual and family development studies while Psychology describes psychology programs, not education programs. This case is assigned to 13, Education because the substantive area of the program is education and the *CIP* manual includes early childhood education in CIP category 13 (*CIP* manual, page 80).

Electives: This case is coded 91, Indeterminable because there is insufficient information to determine an appropriate MFOS code.

English as a Second Language: Although the *CIP* manual explicitly includes "teaching English as a Second Language," the name of the program reported by the respondent suggests that this is an education program covering how to teach ESL because the degree type is a bachelor's degree or higher. Since the *CIP* manual includes ESL teacher education programs in CIP category 13 (*CIP* manual, page 84), this case is assigned to 13, Education.

Food engineering: This case could be assigned to either 02, Agricultural Sciences (which includes food sciences and technology) or 19, Home Economics (which includes food and nutrition services). However, since the name of the program reported by the respondent does not provide sufficient information to assign a code, this case is coded 91, Indeterminable.

Genealogy: Coders and supervisors considered codes 24, Liberal Arts & Sciences or 45, Social Sciences & History. However, since the name of the program reported by the respondent does not provide sufficient information to assign a code and the *CIP* manual does not include the reported verbatim string, this case is coded 91, Indeterminable.

Gifted children: The name of the program reported by the respondent suggests that this program might be designed for people who want to be or are teachers of gifted children. Since the *CIP* manual includes education of the gifted and talented in CIP category 13 (*CIP* manual, page 78), this case is assigned to 13, Education.

Group counseling: This case could be assigned to either 13, Education or 42, Psychology. The field of education includes student counseling, and psychology includes clinical psychology and counseling psychology. Since the reported name of the program does not contain the string "education" and the *CIP* manual includes large group counseling in CIP category 42 (*CIP* manual, page 137), this case is assigned to 42, Psychology.

Hazardous chemical: The *CIP* manual includes environmental and pollution control technology/technician programs in CIP category 15 (*CIP* manual, page 95). This case is coded 15, Engineering-Related Technologies.

Hazardous material response: In the *CIP* manual, environmental and pollution control technology/technician programs including hazardous materials are included in CIP category 15 (*CIP* manual, page 95). This case is coded 15, Engineering-Related Technologies.

Hazardous materials: This is a case questioned by coders, but it is not ambiguous. In the *CIP* manual, environmental and pollution control technology/technician programs including hazardous materials are included in CIP category 15 (*CIP* manual, page 95). This case is coded 15, Engineering-Related Technologies.

See also, *Hazardous material response* and *Hazardous chemical*, following.

Horology: The term horology was unfamiliar to the coders. The *CIP* manual indicates that programs that deal with making, repairing, and maintaining timepieces are included in CIP category 47 (*CIP* manual, page 153). This case is coded 47, Mechanics & Repairers.

Human & organizational behavior: Organizational behavior studies is found in CIP category 52, Business Management and Administrative Services (*CIP* manual, page 195). Organizational psychology is included in 42, Psychology (*CIP* manual, page 138). Although the field of psychology generally deals with human behavior, psychology is not specifically mentioned in the string, suggesting that this is not a psychology major. As a result, this case is coded 52, Business Management & Administrative Services.

Also see *Human relations* and *Industrial relations*, following.

Human relations: This field could be in 45, Social Sciences and History, 43, Psychology, or 52, Business Management and Administrative Services, depending on the context of the human relations program. Contrary to the previous response, which refer to organizational behavior, this response does not explicitly suggest an organizational setting or application. Since the information reported by the respondent is not sufficient to determine an appropriate MFOS code, the case is coded 91, Indeterminable.

Industrial relations: Since the substantive area of the program appears to be relations, but within an industry context, and the *CIP* manual includes programs associated with various relations in CIP category 52 (*CIP* manual, page 195), this case should be assigned to 52, Business Management & Administrative Services. Comparing this response to the two previous responses, a specific context is given, as in human and organizational behavior, and contrary to the less clear field of human relations, immediately above.

Information systems management: This case could be assigned to either 11, Computer & Information Sciences or 52, Business Management & Administrative Services. However, since the reported name of the program does not contain the string "computer" and the *CIP* manual contains management information systems and business systems networking in CIP category 52 (*CIP* manual, page 196-197), this case is assigned to 52, Business Management & Administrative Services.

Interdisciplinary: Although the reported verbatim string is not found in the Alphabetic Index of All CIP Codes, the *CIP* manual includes this kind of program in the multi/interdisciplinary section (*CIP* manual, page 122). This case is coded 30, Multi/Interdisciplinary.

Lab management: The reported verbatim string suggests that it could be a science program or business management program. This case is assigned to 91, Indeterminable because the information is not sufficient to determine an appropriate MFOS code.

Math certificate in actuarial science: This response includes references to two fields -- mathematics and business management. The substantive area of the program appears to be mathematics, or more narrowly, actuarial science since the response indicates that the person is/was working on a "math certificate." Applied mathematics is listed under actuarial science in category 52, Business Management, and refers to category 27, Mathematics for correct code assignment (see *CIP* manual, page 193). This case is coded 27, Mathematics.

Merchandizing & management: It appears that this case could be assigned to either 08, Business (which includes marketing, which is related to merchandizing) or 52, Business Management & Administrative Services. Programs covering purchasing, procurement and contracts management are included in CIP category 52 (*CIP* manual, page 188), and the response specifically refers to management. This case is assigned to 52, Business Management & Administrative Services.

Multimedia: This case could be assigned to 09, Communication or 50, Visual and Performing Arts. In this case, the name of the program reported by the respondent suggests that the substantive area of the program is media-communication. Also, communications technology, photographic technology, and radio and television broadcasting and technology are included in 09, Communication. The case was coded 09, Communication (*CIP* manual, page 68).

National security: For this case, coders may consider 43, Protective Services, or 45, Social Sciences and History. Protective Services includes programs that describe the principles and procedures for providing police, fire, and other safety services, and for managing penal institutions. A closer inspection of these categories eliminates 43, Protective Services. Since national security is a sub-specialty of international relations (*CIP* manual, page 147), the case is assigned to 45, Social Sciences and History.

Policy analysis: The verbatim string suggests that this case is 45, Social Sciences and History. The *CIP* manual includes various policy-related programs in CIP category 45 (*CIP* manual, page 147). While public policy is also included in category 42, Public Administration, the response does not suggest that this is a public administration program or that the policy analysis focuses on governmental actions or management. As a result, category 45 is selected for this case.

Psychology in early education: This case could potentially be assigned to either 13, Education or 42, Psychology, since both fields are mentioned in the response. Since the reported verbatim string contains the word "education," and educational psychology is included under education (*CIP* manual, page 77) this case is coded 13, Education.

Psychology/social work: This case appears to be a double major and thus is coded 91, Indeterminable. While Multi/Interdisciplinary Studies was considered for placement, that field is comprised of areas of study that explicitly cut across fields but are within a single curriculum. Therefore, treating this case as a double major and coding it as Indeterminable is preferred.

Quality management: The substantive area of the program appears to be quality control and the management of quality control activities. Two substantive areas are reviewed -- business management, and engineering-related technology. No quality control programs are found in business management. Statistical process control is an engineering-related technologies program, similar in nature to quality management. Also, the *CIP* manual includes quality control and safety technology programs in CIP category 15 (*CIP* manual, page 96). Thus, this case is assigned to 15, Engineering-Related Technologies.

Radiologic technology: The coder apparently was uncertain as to whether this was a technology program or an allied health program. However, radiologic technology is a Health Professions and Related Sciences field. This case is coded 51, Health Professions & Related Sciences.

See also, *Radiology*, following.

Radiology: This string is not ambiguous. The response indicates that the program is health-related. This case is coded 51, Health Professions & Related Sciences.

Reading and math: The reported name of the program suggests that this might be a reading and math education program. However, the reading and math program may also be a basic skills program leading to a certificate or credential of some kind. Additional information from the case indicates that the degree type is a bachelor's degree or higher. As a result, it appears reasonable to assume that this is an education program, and this case is assigned to 13, Education.

Science: This case could be coded in one of three categories: 26, Biological Sciences/Life Sciences; 40, Physical Sciences; or 41, Science Technology. Since the reported name of the program is science and the vast majority of science-related MFOS codes, except biological sciences, is listed in the physical sciences section in the *CIP* manual (page 129), this case is assigned to 40, Physical Sciences.

Also see *Associate of Science*, above.

Scientific illustration: The substantive area of the program appears to be illustration because the word "illustration" is part of the program name. However, both science fields and visual and performing arts are examined. Science fields (biological, physical, and scientific technology) do not specify any programs in illustration. Since the *CIP* manual includes graphic design, commercial art and illustration programs in CIP category 50 (*CIP* manual, page 162), this case is assigned to 50, Visual and Performing Arts.

Services: Since the information is not sufficient to determine an appropriate MFOS code, the case is coded 91, Indeterminable.

Spanish/cross culture: The reported verbatim string appears to be a combined program covering both language and culture. Considering the foreign language listed first to be the substantive area, and given that the *CIP* manual includes foreign languages, area and cultural studies in CIP category 16 (*CIP* manual, page 99), this case is coded 16, Foreign Languages and Literatures.

Speech communication: This case could be assigned to either 09, Communication or 23, English Language & Literature/Letters, which includes speech and rhetorical studies. Because the substantive area of the program appears to be communication and the *CIP* manual includes communication programs in CIP category 9 (*CIP* manual, page 68), this case is assigned to 09, Communication.

Taxes: This response is actually not ambiguous. Because all tax programs are included in the business management section in the *CIP* manual (page 198), this case is assigned to 52, Business Management & Administrative Services.

Urban planning: This case could be assigned to 04, Architecture & Related Programs; 44, or 45, Social Sciences & History, or possibly to 44 Public Administration and Services, if urban planning is interpreted in terms of city management. Architecture and related programs includes city/urban, community, and regional planning. Social science appears to focus more on urban studies and affairs, but not planning. Public administration includes fields related to the administration and management of entities including cities. This case is assigned to 04, Architecture & Related Programs, since it specifically refers to urban planning (and not study/analysis or management), which the *CIP* manual includes in category 04.

Veterinarian animal science: There is a question as to whether this response should be included in agriculture or in health sciences. The *CIP* manual indicates that veterinary sciences is included in the health-related category rather than in agriculture (*CIP* manual, page 186). This case is assigned to 51, Health Professions and Related Sciences.

Waste management: This string is not ambiguous. Since the *CIP* manual includes waste disposal procedures in CIP category 15 (*CIP* manual,page 95), this case is coded 15, Engineering-Related Technologies).

IV. LIST OF 2-DIGIT CIP CATEGORIES

Code	Titles
01	Agricultural Business & Production
02	Agricultural Sciences
03	Conservation & Renewable Natural Resources
04	Architecture & Related Programs
05	Area, Ethnic & Cultural Studies
08	Business
09	Communications
10	Communications Technologies
11	Computer & Information Sciences
12	Personal & Miscellaneous Services
13	Education
14	Engineering
15	Engineering-Related Technologies
16	Foreign Languages & Literatures
19	Home Economics
20	Vocational Home Economics
21	Technology Education/Industrial Arts
22	Law & Legal Studies
23	English Language & Literature/Letters
24	Liberal Arts & Sciences, General Studies & Humanities
25	Library Sciences
26	Biological Sciences/Life Sciences
27	Mathematics
28	Reserve Officers' Training Corps Programs
29	Military Technologies
30	Multi/Interdisciplinary Studies
31	Parks, Recreation, Leisure & Fitness Studies
32	Basic Skills
33	Citizenship Activities
34	Health-Related Knowledge & Skills
35	Interpersonal & Social Skills
36	Leisure & Recreational Activities
37	Personal Awareness & Self-Improvement
38	Philosophy & Religion
39	Theological Studies & Religious Vocations
40	Physical Sciences
41	Science Technologies
42	Psychology
43	Protective Services
44	Public Administration & Services
45	Social Sciences & History
46	Construction Trades
47	Mechanics & Repairers
48	Precision Production Trades
49	Transportation & Materials Moving Workers
50	Visual & Performing Arts
51	Health Professions & Related Sciences
52	Business Management & Administrative Services
91	Indeterminable/Other/Unknown

Code	Titles
52	Accounting
52	Accounting, Other
52	Accounting Technician
40	Acoustics
50	Acting and Directing
52	Actuarial Science
51	Acupuncture and Oriental Medicine
31	Adapted Physical Education/Therapeutic Recreation
34	Addiction Prevention and Treatment
13	Administration of Special Education
52	Administrative and Secretarial Services, Other
52	Administrative Assistant/Secretarial Science, General
13	Adult and Continuing Education Administration
13	Adult and Continuing Teacher Education
09	Advertising
15	Aeronautical and Aerospace Engineering Tech./Technician
14	Aerospace, Aeronautical and Astronautical Engineering
51	Aerospace Medicine Residency
05	African Studies
05	Afro-American (Black) Studies
01	Agricultural and Food Products Processing Operations and Mgmt.
02	Agricultural Animal Breeding and Genetics
02	Agricultural Animal Health
01	Agricultural Animal Husbandry and Production Management
02	Agricultural Animal Nutrition
02	Agricultural Animal Physiology
01	Agricultural Business/Agribusiness Operations
01	Agricultural Business and Management, General
01	Agricultural Business and Management, Other
01	Agricultural Business and Production, Other
01	Agricultural Economics
14	Agricultural Engineering
02	Agricultural Extension
01	Agricultural Mechanization, General
01	Agricultural Mechanization, Other
02	Agricultural Plant Pathology
02	Agricultural Plant Physiology
01	Agricultural Power Machinery Operator
01	Agricultural Production Workers and Managers, Other
01	Agricultural Production Workers and Managers, General
01	Agricultural Supplies and Related Services, Other
01	Agricultural Supplies Retailing and Wholesaling
13	Agricultural Teacher Education (Vocational)
02	Agriculture/Agricultural Sciences, General
02	Agriculture/Agricultural Sciences, Other
02	Agronomy and Crop Science
28	Air Force R.O.T.C./Air Science
49	Air Traffic Controller
49	Air Transportation Workers, Other

Code	Titles
47	Aircraft Mechanic/Technician, Airframe
47	Aircraft Mechanic/Technician, Powerplants
49	Aircraft Pilot (Private)
49	Aircraft Pilot and Navigator (Professional)
51	Alcohol/Drug Abuse Counseling
51	Allergies and Immunology Residency
45	American (United States) History
33	American Citizenship Education
45	American Government and Politics
05	American Indian/Native American Studies
23	American Literature (United States)
05	American Studies/Civilization
40	Analytical Chemistry
26	Anatomy
51	Anesthesiology Residency
02	Animal Sciences, General
02	Animal Sciences, Other
01	Animal Trainer
45	Anthropology
08	Apparel and Accessories Marketing Operations, Other
08	Apparel and Accessories Marketing Operations, General
45	Applied and Resource Economics
27	Applied Mathematics, General
27	Applied Mathematics, Other
01	Aquaculture Operations and Production Management
16	Arabic Language and Literature
45	Archeology
48	Architectural Drafting
14	Architectural Engineering
15	Architectural Engineering Tech./Technician
04	Architectural Environmental Design
04	Architectural Urban Design and Planning
04	Architecture
04	Architecture and Related Programs, Other
05	Area, Ethnic and Cultural Studies, Other
05	Area Studies, Other
28	Army R.O.T.C./Military Science
36	Art
50	Art, General
50	Art History, Criticism and Conservation
13	Art Teacher Education
51	Art Therapy
50	Arts Management
05	Asian-American Studies
05	Asian Studies
40	Astronomy
40	Astrophysics
31	Athletic Training and Sports Medicine
40	Atmospheric Sciences and Meteorology
08	Auctioneering
51	Audiology/Hearing Sciences
47	Auto/Automotive Body Repairer

Code	Titles
47	Auto/Automotive Mechanic/Technician
15	Automotive Engineering Tech./Technician
49	Aviation and Airway Science
49	Aviation Management
47	Aviation Systems and Avionics Main. Technologist/Technician
12	Baker/Pastry Chef
52	Banking and Financial Support Services
12	Barber/Hairstylist
12	Bartender/Mixologist
51	Basic Medical Sciences, Other
32	Basic Skills, General
32	Basic Skills, Other
39	Bible/Biblical Studies
39	Biblical and Other Theological Languages and Literatures
47	Bicycle Mechanic and Repairer
13	Bilingual/Bicultural Education
26	Biochemistry
14	Bioengineering and Biomedical Engineering
30	Biological and Physical Sciences
26	Biological Immunology
26	Biological Sciences/Life Sciences, Other
41	Biological Tech./Technician
26	Biology, General
13	Biology Teacher Education
15	Biomedical Engineering-Related Tech./Technician
26	Biometrics
26	Biophysics
30	Biopsychology
26	Biostatistics
26	Biotechnology Research
34	Birthing and Parenting Knowledge and Skills
51	Blood Bank Tech./Technician
51	Blood Banking Residency
36	Board, Card and Role-Playing Games
26	Botany, General
26	Botany, Other
09	Broadcast Journalism
46	Building/Property Main. and Manager
52	Business Administration and Management, General
52	Business Administration and Management, Other
08	Business and Personal Services Marketing Operations, Other
35	Business and Social Skills
52	Business Communications
52	Business Computer Facilities Operator
52	Business Computer Programming/Programmer
52	Business, General
19	Business Home Economics
52	Business Information and Data Processing Services, Other
47	Business Machine Repairer
52	Business Management and Administrative Services, Other
52	Business/Managerial Economics
52	Business Marketing and Marketing Management

Code	Titles
52	Business Quantitative Methods and Management Science, Other
08	Business Services Marketing Operations
52	Business Statistics
52	Business Systems Analysis and Design
52	Business Systems Networking and Telecommunications
13	Business Teacher Education (Vocational)
48	Cabinet Maker and Millworker
05	Canadian Studies
12	Card Dealer
51	Cardiology Residency
51	Cardiovascular Tech./Technician
32	Career Exploration/Awareness Skills
46	Carpenter
45	Cartography
26	Cell and Molecular Biology, Other
26	Cell Biology
14	Ceramic Sciences and Engineering
50	Ceramics Arts and Ceramics
53	Certificate of IEP Completion
40	Chemical and Atomic/Molecular Physics
14	Chemical Engineering
51	Chemical Pathology Residency
41	Chemical Tech./Technician
40	Chemistry, General
40	Chemistry, Other
13	Chemistry Teacher Education
20	Child Care and Guidance Workers and Managers, General
20	Child Care and Guidance Workers and Managers, Other
20	Child Care Provider/Assistant
20	Child Care Services Manager
20	Child Development, Care and Guidance
19	Child Growth, Care and Development Studies
51	Child/Pediatric Neurology Residency
51	Child Psychiatry Residency
16	Chinese Language and Literature
51	Chiropractic (D.C., D.C.M.)
33	Citizenship Activities, General
33	Citizenship Activities, Other
04	City/Urban, Community and Regional Planning
15	Civil Engineering/Civil Tech./Technician
14	Civil Engineering, General
14	Civil Engineering, Other
48	Civil/Structural Drafting
16	Classical and Ancient Near Eastern Languages and Literatures, Other
16	Classics and Classical Languages and Literatures
51	Clinical and Medical Social Work
42	Clinical Psychology
20	Clothing and Textiles
19	Clothing/Apparel and Textile Studies
20	Clothing, Apparel and Textile Workers and Managers, Other
20	Clothing, Apparel and Textile Workers and Managers, General
42	Cognitive Psychology and Psycholinguistics

Code	Titles
36	Collecting
13	College/Postsecondary Student Counseling and Personnel Services
53	College Preparatory High School Diploma
51	Colon and Rectal Surgery Residency
20	Commercial Garment and Apparel Worker
50	Commercial Photography
51	Communication Disorders, General
51	Communication Disorders Sciences and Services, Other
47	Communication Systems Installer and Repairer
09	Communications, General
09	Communications, Other
10	Communications Technol./Technicians, Other
13	Community and Junior College Administration
33	Community Awareness
51	Community Health Liaison
33	Community Involvement
44	Community Organization, Resources and Services
42	Community Psychology
23	Comparative Literature
20	Comprehensive Consumer and Homemaking Education
32	Computational Skills
11	Computer and Information Sciences, General
11	Computer and Information Sciences, Other
14	Computer Engineering
15	Computer Engineering Tech./Technician
36	Computer Games and Programming Skills
47	Computer Installer and Repairer
15	Computer Main. Tech./Technician
11	Computer Programming
11	Computer Science
11	Computer Systems Analysis
13	Computer Teacher Education
48	Computer Typography and Composition Equipment Operator
03	Conservation and Renewable Natural Resources, Other
46	Construction and Building Finishers and Managers, Other
46	Construction/Building Inspector
15	Construction/Building Tech./Technician
49	Construction Equipment Operator
46	Construction Trades, Other
20	Consumer and Homemaking Education, Other
19	Consumer Economics and Science
20	Consumer Education
36	Cooking and Other Domestic Skills
43	Corrections/Correctional Administration
12	Cosmetic Services, General
12	Cosmetic Services, Other
12	Cosmetologist
42	Counseling Psychology
13	Counselor Education Counseling and Guidance Services
52	Court Reporter
50	Crafts, Folk Art and Artisanry
43	Criminal Justice and Corrections, Other

Code	Titles
43	Criminal Justice/Law Enforcement Administration
43	Criminal Justice Studies
45	Criminology
51	Critical Care Anesthesiology Residency
51	Critical Care Medicine Residency
51	Critical Care Surgery Residency
01	Crop Production Operations and Management
12	Culinary Arts and Related Services, Other
12	Culinary Arts/Chef Training
13	Curriculum and Instruction
20	Custodial, Housekeeping and Home Services Workers and Managers, Gen.
20	Custodial, Housekeeping and Home Services Workers and Managers, Other
20	Custodian/Caretaker
20	Custom Tailor
51	Cytotechnologist
02	Dairy Science
50	Dance
51	Dance Therapy
36	Dancing
11	Data Processing Tech./Technician
45	Demography/Population Studies
51	Dental Assistant
51	Dental Clinical Sciences/Graduate Dentistry (M.S., Ph.D.)
51	Dental Hygienist
51	Dental Laboratory Technician
51	Dental/Oral Surgery Specialty
51	Dental Public Health Specialty
51	Dental Residency Programs, Other
51	Dental Services, Other
51	Dentistry (D.D.S., D.M.D.)
51	Dermatology Residency
51	Dermatopathology Residency
50	Design and Applied Arts, Other
50	Design and Visual Communications
48	Desktop Publishing Equipment Operator
45	Development Economics and International Development
42	Developmental and Child Psychology
51	Diagnostic Medical Sonography
51	Diagnostic Radiology Residency
47	Diesel Engine Mechanic and Repairer
19	Dietetics/Human Nutritional Services
20	Dietician Assistant
49	Diver (Professional)
39	Divinity/Ministry (B.D., M.Div.)
48	Drafting, General
48	Drafting, Other
13	Drama and Dance Teacher Education
50	Drama/Theater Arts, General
50	Drama/Theater Literature, History and Criticism
50	Dramatic/Theater Arts and Stagecraft, Other
50	Drawing
13	Driver and Safety Teacher Education

Code	Titles
20	Drycleaner and Launderer (Commercial)
40	Earth and Planetary Sciences
16	East and Southeast Asian Languages and Literatures, Other
05	East Asian Studies
16	East European Languages and Literatures, Other
05	Eastern European Area Studies
26	Ecology
45	Econometrics and Quantitative Economics
45	Economics, General
45	Economics, Other
13	Education Administration and Supervision, General
13	Education Administration and Supervision, Other
13	Education, General
13	Education of the Autistic
13	Education of the Blind and Visually Handicapped
13	Education of the Deaf and Hearing Impaired
13	Education of the Emotionally Handicapped
13	Education of the Gifted and Talented
13	Education of the Mentally Handicapped
13	Education of the Multiple Handicapped
13	Education of the Physically Handicapped
13	Education of the Specific Learning Disabled
13	Education of the Speech Impaired
13	Education, Other
13	Educational Assessment, Testing and Measurement
13	Educational Evaluation and Research
13	Educational Evaluation, Research and Statistics, Other
13	Educational/Instructional Media Design
10	Educational/Instructional Media Tech./Technician
13	Educational Psychology
13	Educational Statistics and Research Methods
13	Educational Supervision
20	Elder Care Provider/Companion
15	Electrical and Electronic Engin.-Related Technol./Technicians, Other
47	Electrical and Electronics Equipment Installer and Repairer, General
47	Electrical and Electronics Equipment Installer and Repairer, Other
46	Electrical and Power Transmission Installer, Other
46	Electrical and Power Transmission Installer, General
15	Electrical, Electronic and Communications Engin. Tech./Technician
14	Electrical, Electronics and Communication Engineering
48	Electrical/Electronics Drafting
46	Electrician
51	Electrocardiograph Tech./Technician
51	Electroencephalograph Tech./Technician
12	Electrolysis Technician
15	Electromechanical Instrumentation and Main. Technol./Technicians, Other
15	Electromechanical Tech./Technician
13	Elementary, Middle and Secondary Education Administration
40	Elementary Particle Physics
13	Elementary Teacher Education
51	Emergency Medical Tech./Technician

Code	Titles
51	Emergency Medicine Residency
51	Endocrinology and Metabolism Residency
51	Endodontics Specialty
15	Energy Management and Systems Tech./Technician
14	Engineering Design
14	Engineering, General
14	Engineering/Industrial Management
14	Engineering Mechanics
14	Engineering, Other
14	Engineering Physics
15	Engineering-Related Tech./Technician, General
15	Engineering-Related Technol./Technicians, Other
14	Engineering Science
23	English Composition
23	English Creative Writing
23	English Language and Literature, General
23	English Language and Literature/Letters, Other
23	English Literature (British and Commonwealth)
13	English Teacher Education
23	English Technical and Business Writing
52	Enterprise Management and Operation, General
52	Enterprise Management and Operation, Other
26	Entomology
08	Entrepreneurship
15	Environmental and Pollution Control Tech./Technician
15	Environmental Control Technol./Technicians, Other
14	Environmental/Environmental Health Engineering
51	Environmental Health
03	Environmental Science/Studies
51	Epidemiology
01	Equestrian/Equine Studies, Horse Management and Training
05	Ethnic and Cultural Studies, Other
45	European History
05	European Studies
26	Evolutionary Biology
52	Executive Assistant/Secretary
20	Executive Housekeeper
31	Exercise Sciences/Physiology and Movement Studies
42	Experimental Psychology
20	Exploratory Homemaking
19	Family and Community Studies
19	Family and Marriage Counseling
19	Family/Consumer Resource Management, Other
20	Family/Individual Health
19	Family Life and Relations Studies
20	Family Living and Parenthood
51	Family Medicine Residency
19	Family Resource Management Studies
01	Farm and Ranch Management
20	Fashion and Fabric Consultant
50	Fashion Design and Illustration
08	Fashion Merchandising

Code	Titles
08	Fashion Modeling
50	Fiber, Textile and Weaving Arts
50	Film/Cinema Studies
50	Film/Video and Photographic Arts, Other
50	Film-Video Making/Cinematography and Production
52	Finance, General
52	Financial Management and Services, Other
52	Financial Planning
08	Financial Services Marketing Operations
50	Fine Arts and Art Studies, Other
50	Fine/Studio Arts
43	Fire Protection and Safety Tech./Technician
43	Fire Protection, Other
43	Fire Science/Firefighting
43	Fire Services Administration
03	Fishing and Fisheries Sciences and Management
49	Fishing Tech./Commercial Fishing
49	Flight Attendant
08	Floristry Marketing Operations
12	Food and Beverage/Restaurant Operations Manager
20	Food and Nutrition
20	Food Caterer
08	Food Products Retailing and Wholesaling Operations
08	Food Sales Operations
02	Food Sciences and Tech.
19	Food Systems Administration
19	Foods and Nutrition Science
19	Foods and Nutrition Studies, General
19	Foods and Nutrition Studies, Other
16	Foreign Language Interpretation and Translation
16	Foreign Languages and Literatures, General
16	Foreign Languages and Literatures, Other
13	Foreign Languages Teacher Education
51	Forensic Pathology Residency
43	Forensic Tech./Technician
03	Forest Harvesting and Production Tech./Technician
03	Forest Management
03	Forest Production and Processing, Other
03	Forest Products Tech./Technician
03	Forestry and Related Sciences, Other
03	Forestry, General
03	Forestry Sciences
52	Franchise Operation
16	French Language and Literature
13	French Language Teacher Education
12	Funeral Services and Mortuary Science
48	Furniture Designer and Maker
12	Gaming and Sports Officiating Services, Other
51	Gastroenterology Residency
08	General Buying Operations
08	General Distribution Operations
08	General Marketing Operations

Code	Titles
52	General Office/Clerical and Typing Services
08	General Retailing and Wholesaling Operations and Skills, Other
08	General Retailing Operations
08	General Selling Skills and Sales Operations
24	General Studies
51	General Surgery Residency
13	General Teacher Education, Other
26	Genetics, Plant and Animal
40	Geochemistry
45	Geography
40	Geological and Related Sciences, Other
14	Geological Engineering
40	Geology
14	Geophysical Engineering
40	Geophysics and Seismology
14	Geotechnical Engineering
51	Geriatric Medicine Residency
16	German Language and Literature
13	German Language Teacher Education
16	Germanic Languages and Literatures, Other
19	Gerontological Services
30	Gerontology
48	Graphic and Printing Equipment Operator, General
48	Graphic and Printing Equipment Operators, Other
50	Graphic Design, Commercial Art and Illustration
16	Greek Language and Literature (Ancient and Medieval)
16	Greek Language and Literature (Modern)
01	Greenhouse Operations and Management
47	Gunsmith
51	Hand Surgery Residency
36	Handicrafts and Model-Making
51	Health Aide
51	Health and Medical Administrative Services, Other
51	Health and Medical Assistants, Other
51	Health and Medical Biostatistics
51	Health and Medical Diagnostic and Treatment Services, Other
51	Health and Medical Laboratory Technol./Technicians, Other
51	Health and Medical Preparatory Programs, Other
31	Health and Physical Education/Fitness, Other
31	Health and Physical Education, General
13	Health Occupations Teacher Education (Vocational)
51	Health Physics/Radiologic Health
08	Health Products and Services Marketing Operations
51	Health Professions and Related Sciences, Other
34	Health-Related Knowledge and Skills, Other
51	Health System/Health Services Administration
13	Health Teacher Education
51	Health Unit Coordinator/Ward Clerk
51	Health Unit Manager/Ward Supervisor
15	Heating, Air Conditioning and Refrigeration Tech./Technician
47	Heating, Air Conditioning and Refrigeration Mechanic and Repairer
47	Heavy Equipment Main. and Repairer

16	Hebrew Language and Literature
51	Hematological Pathology Residency
51	Hematology Residency
51	Hematology Tech./Technician
53	High School Certificate of Competence
53	High School Certificates, Other
53	High School Equivalence Certificate
53	High School/Secondary Diplomas, Other
13	Higher Education Administration
05	Hispanic-American Studies
30	Historic Preservation, Conservation and Architectural History
45	History and Philosophy of Science and Tech.
45	History, General
45	History, Other
13	History Teacher Education
08	Home and Office Products Marketing Operations, Other
19	Home Economics Communications
19	Home Economics, General
19	Home Economics, Other
13	Home Economics Teacher Education (Vocational)
20	Home Furnishings and Equipment Installers and Consultants, Other
20	Home Furnishings and Equipment Installers and Consultants, General
51	Home Health Aide
36	Home Maintenance and Improvement
20	Home Management
08	Home Products Marketing Operations
20	Homemaker's Aide
53	Honors/Regents High School Diploma
02	Horticulture Science
01	Horticulture Services Operations and Management, General
01	Horticulture Services Operations and Management, Other
51	Hospital/Health Facilities Administration
52	Hospitality/Administration Management
08	Hospitality and Recreation Marketing Operations, Other
08	Hospitality and Recreation Marketing Operations, General
52	Hospitality Services Management, Other
52	Hotel/Motel and Restaurant Management
08	Hotel/Motel Services Marketing Operations
20	Housing, Home Furnishings, and Equipment
19	Housing Studies, General
19	Housing Studies, Other
52	Human Resources Management
52	Human Resources Management, Other
24	Humanities/Humanistic Studies
15	Hydraulic Tech./Technician
51	Hypnotherapy
51	Immunopathology Residency
19	Individual and Family Development Studies, General
19	Individual and Family Development Studies, Other
42	Industrial and Organizational Psychology
50	Industrial Design
47	Industrial Electronics Installer and Repairer

Code	Titles
22	Law and Legal Studies, Other
43	Law Enforcement/Police Science
48	Leatherworkers and Upholsterers, Other
52	Legal Administrative Assistant/Secretary
36	Leisure and Recreational Activities, General
36	Leisure and Recreational Activities, Other
24	Liberal Art and Sciences, General Studies and Humanities, Other
24	Liberal Arts and Sciences/Liberal Studies
25	Library Assistant
25	Library Science/Librarianship
25	Library Science, Other
46	Lineworker
16	Linguistics
48	Lithographer and Platemaker
47	Locksmith and Safe Repairer
03	Logging/Timber Harvesting
52	Logistics and Materials Management
48	Machine Shop Assistant
48	Machinist/Machine Technologist
47	Major Appliance Installer and Repairer
12	Make-Up Artist
52	Management Information Systems and Business Data Processing, General
52	Management Science
26	Marine/Aquatic Biology
49	Marine Main. and Ship Repairer
49	Marine Science/Merchant Marine Officer
52	Marketing Management and Research, Other
08	Marketing Operations/Marketing and Distribution, Other
13	Marketing Operations Teacher Ed./Mkt. & Distribution Teacher Ed. (Voc.)
52	Marketing Research
46	Mason and Tile Setter
09	Mass Communications
12	Massage
14	Material Engineering
14	Materials Science
27	Mathematical Statistics
27	Mathematics
30	Mathematics and Computer Science
27	Mathematics, Other
13	Mathematics Teacher Education
12	Meatcutter
48	Mechanical Drafting
14	Mechanical Engineering
15	Mechanical Engineering/Mechanical Tech./Technician
15	Mechanical Engineering-Related Technol./Technicians, Other
48	Mechanical Typesetter and Composer
47	Mechanics and Repairers, Other
52	Medical Administrative Assistant/Secretary
51	Medical Anatomy
51	Medical Assistant
51	Medical Biochemistry
51	Medical Biomathematics and Biometrics

Code	Titles
51	Medical Cell Biology
51	Medical Clinical Sciences (M.S., Ph.D.)
51	Medical Dietician
51	Medical Genetics
51	Medical Illustrating
51	Medical Immunology
51	Medical Laboratory Assistant
51	Medical Laboratory Technician
51	Medical Microbiology
51	Medical Molecular Biology
51	Medical Neurobiology
51	Medical Nutrition
51	Medical Office Management
51	Medical Pathology
51	Medical Pharmacology and Pharmaceutical Sciences
51	Medical Physics/Biophysics
51	Medical Physiology
51	Medical Radiologic Tech./Technician
51	Medical Records Administration
51	Medical Records Tech./Technician
51	Medical Residency Programs, Other
51	Medical Technology
51	Medical Toxicology
51	Medical Transcription
40	Medicinal/Pharmaceutical Chemistry
51	Medicine (M.D.)
30	Medieval and Renaissance Studies
51	Mental Health Services, Other
50	Metal and Jewelry Arts
14	Metallurgical Engineering
15	Metallurgical Tech./Technician
40	Metallurgy
26	Microbiology/Bacteriology
16	Middle Eastern Languages and Literatures, Other
05	Middle Eastern Studies
29	Military Technologies
14	Mining and Mineral Engineering
15	Mining and Petroleum Technol./Technicians, Other
15	Mining Tech./Technician
26	Miscellaneous Biological Specializations, Other
47	Miscellaneous Mechanics and Repairers, Other
40	Miscellaneous Physical Sciences, Other
39	Missions/Missionary Studies and Misology
26	Molecular Biology
47	Motorcycle Mechanic and Repairer
51	Movement Therapy
30	Multi/Interdisciplinary Studies, Other
51	Musculoskeletal Oncology Residency
30	Museology/Museum Studies
36	Music
50	Music Business Management and Merchandising
50	Music Conducting

Code	Titles
50	Music, General
50	Music - General Performance
50	Music History and Literature
50	Music, Other
50	Music - Piano and Organ Performance
13	Music Teacher Education
50	Music Theory and Composition
51	Music Therapy
50	Music - Voice and Choral/Opera Performance
47	Musical Instrument Repairer
50	Musicology and Ethnomusicology
03	Natural Resources Conservation, General
03	Natural Resources Law Enforcement and Protective Services
03	Natural Resources Management and Policy
03	Natural Resources Management and Protective Services, Other
36	Nature Appreciation
51	Naturopathic Medicine
14	Naval Architecture and Marine Engineering
28	Navy/Marine Corps R.O.T.C./Naval Science
51	Neonatal-Perinatal Medicine Residency
51	Nephrology Residency
51	Neurological Surgery/Neurosurgery Residency
51	Neurology Residency
51	Neuropathology Residency
26	Neuroscience
52	Non-Profit and Public Management
41	Nuclear and Industrial Radiologic Technol./Technicians, Other
14	Nuclear Engineering
51	Nuclear Medical Tech./Technician
51	Nuclear Medicine Residency
41	Nuclear/Nuclear Power Tech./Technician
40	Nuclear Physics
51	Nuclear Radiology Residency
51	Nurse Assistant/Aide
01	Nursery Operations and Management
51	Nursing (R.N. Training)
51	Nursing Administration (Post-R.N.)
51	Nursing, Adult Health (Post-R.N.)
51	Nursing Anesthetist (Post-R.N.)
51	Nursing, Family Practice (Post-R.N.)
51	Nursing, Maternal/Child Health (Post-R.N.)
51	Nursing Midwifery (Post-R.N.)
51	Nursing, Other
51	Nursing, Pediatric (Post-R.N.)
51	Nursing, Psychiatric/Mental Health (Post-R.N.)
51	Nursing, Public Health (Post-R.N.)
51	Nursing Science (Post-R.N.)
51	Nursing, Surgical (Post-R.N.)
26	Nutritional Sciences
51	Obstetrics and Gynecology Residency
51	Occupational Health and Industrial Hygiene
51	Occupational Medicine Residency

Code	Titles
15	Occupational Safety and Health Tech./Technician
51	Occupational Therapy
51	Occupational Therapy Assistant
14	Ocean Engineering
40	Oceanography
08	Office Products Marketing Operations
52	Office Supervision and Management
51	Oncology Residency
52	Operations Management and Supervision
27	Operations Research
51	Ophthalmic Medical Assistant
51	Ophthalmic Medical Technologist
51	Ophthalmic/Optometric Services, Other
51	Ophthalmology Residency
51	Optical Technician/Assistant
51	Opticianry/Dispensing Optician
40	Optics
51	Optometric/Ophthalmic Laboratory Technician
51	Optometry (O.D.)
51	Oral Pathology Specialty
40	Organic Chemistry
52	Organizational Behavior Studies
01	Ornamental Horticulture Operations and Management
51	Orthodontics Specialty
51	Orthopedics/Orthopedic Surgery Residency
51	Orthoptics
51	Orthotics/Prosthetics
51	Osteopathic Medicine (D.O.)
51	Otolaryngology Residency
05	Pacific Area Studies
46	Painter and Wall Coverer
50	Painting
40	Paleontology
22	Paralegal/Legal Assistant
26	Parasitology
31	Parks, Recreation and Leisure Facilities Management
31	Parks, Recreation and Leisure Studies
31	Parks, Recreation, Leisure and Fitness Studies, Other
39	Pastoral Counseling and Specialized Ministries
26	Pathology, Human and Animal
51	Pathology Residency
30	Peace and Conflict Studies
51	Pediatric Cardiology Residency
51	Pediatric Endocrinology Residency
51	Pediatric Hemato-Oncology Residency
51	Pediatric Nephrology Residency
51	Pediatric Orthopedics Residency
51	Pediatric Surgery Residency
51	Pediatrics Residency
51	Pedodontics Specialty
51	Perfusion Tech./Technician
51	Periodontics Specialty
12	Personal and Miscellaneous Services, Other

Code	Titles
51	Pre-Medicine Studies
51	Pre-Pharmacy Studies
39	Pre-Theological/Pre-Ministerial Studies
51	Pre-Veterinary Studies
48	Precision Metal Workers, Other
48	Precision Production Trades, Other
51	Preventive Medicine Residency
48	Printing Press Operator
50	Printmaking
51	Prosthodontics Specialty
43	Protective Services, Other
51	Psychiatric/Mental Health Services Technician
51	Psychiatry Residency
51	Psychoanalysis
42	Psychology, General
42	Psychology, Other
44	Public Administration
44	Public Administration and Services, Other
45	Public/Applied History and Archival Administration
52	Public Finance
51	Public Health Education and Promotion
51	Public Health, General
51	Public Health Medicine Residency
51	Public Health, Other
44	Public Policy Analysis
09	Public Relations and Organizational Communications
51	Pulmonary Disease Residency
52	Purchasing, Procurement and Contracts Management
15	Quality Control and Safety Technol./Technicians, Other
15	Quality Control Tech./Technician
39	Rabbinical and Talmudic Studies (M.H.L./Rav)
26	Radiation Biology/Radiobiology
51	Radiation Oncology Residency
09	Radio and Television Broadcasting
10	Radio and Television Broadcasting Tech./Technician
51	Radioisotopic Pathology Residency
02	Range Science and Management
36	Reading
32	Reading, Literacy and Communication Skills
13	Reading Teacher Education
52	Real Estate
52	Receptionist
08	Recreation Products/Services Marketing Operations
51	Recreational Therapy
53	Regular High School Diploma
51	Rehabilitation/Therapeutic Services, Other
38	Religion/Religious Studies
39	Religious Education
39	Religious/Sacred Music
51	Respiratory Therapy Technician
51	Rheumatology Residency
15	Robotics Tech./Technician

Code	Titles
16	Romance Languages and Literatures, Other
05	Russian and Slavic Area Studies
16	Russian Language and Literature
05	Scandinavian Area Studies
16	Scandinavian Languages and Literatures
42	School Psychology
13	Science Teacher Education, General
30	Science, Tech. and Society
41	Science Technol./Technicians, Other
50	Sculpture
13	Secondary Teacher Education
43	Security and Loss Prevention Services
37	Self-Awareness and Personal Assessment
37	Self-Esteem and Values Clarification
48	Sheet Metal Worker
48	Shoe, Boot and Leather Repairer
51	Sign Language Interpreter
16	Slavic Languages and Literatures (Other Than Russian)
47	Small Engine Mechanic and Repairer
13	Social and Philosophical Foundations of Education
42	Social Psychology
13	Social Science Teacher Education
45	Social Sciences and History, Other
45	Social Sciences, General
13	Social Studies Teacher Education
44	Social Work
31	Socio-Psychological Sports Studies
45	Sociology
02	Soil Sciences
15	Solar Tech./Technician
40	Solid State and Low-Temperature Physics
16	South Asian Languages and Literatures
05	South Asian Studies
05	Southeast Asian Studies
16	Spanish Language and Literature
13	Spanish Language Teacher Education
13	Special Education, General
13	Special Education, Other
23	Speech and Rhetorical Studies
51	Speech-Language Pathology
51	Speech-Language Pathology and Audiology
13	Speech Teacher Education
31	Sport and Fitness Administration/Management
36	Sports and Exercise
51	Sports Medicine Residency
47	Stationary Energy Sources Installer and Operator
37	Stress Management and Coping Skills
14	Structural Engineering
51	Surgical/Operating Room Technician
15	Surveying
14	Systems Engineering
30	Systems Science and Theory
52	Taxation

Code	Titles
13	Teacher Assistant/Aide
13	Teacher Education, Multiple Levels
13	Teacher Education, Specific Academic and Vocational Programs, Other
13	Teaching English as a Second Language/Foreign Language
13	Technical Teacher Education (Vocational)
50	Technical Theater/Theater Design and Stagecraft
21	Technology Education/Industrial Arts
13	Technology Teacher Education/Industrial Arts Teacher Education
14	Textile Sciences and Engineering
36	Theater
39	Theological and Ministerial Studies, Other
39	Theological Studies and Religious Vocations, Other
39	Theology/Theological Studies
40	Theoretical and Mathematical Physics
51	Theriogenology
51	Thoracic Surgery Residency
48	Tool and Die Maker/Technologist
08	Tourism and Travel Services Marketing Operations, Other
08	Tourism Promotion Operations
26	Toxicology
13	Trade and Industrial Teacher Education (Vocational)
14	Transportation and Highway Engineering
49	Transportation and Materials Moving Workers, Other
36	Travel and Exploration
08	Travel Services Marketing Operations
52	Travel-Tourism Management
49	Truck, Bus and Other Commercial Vehicle Operator
01	Turf Management
12	Umpires and Other Sports Officials
48	Upholsterer
45	Urban Affairs/Studies
51	Urology Residency
51	Vascular Surgery Residency
49	Vehicle and Equipment Operators, Other
47	Vehicle and Mobile Equipment Mechanics and Repairers, Other
08	Vehicle and Petroleum Products Marketing Operations, Other
08	Vehicle Marketing Operations
08	Vehicle Parts and Accessories Marketing Operations
51	Veterinarian Assistant/Animal Health Technician
51	Veterinary Anesthesiology
51	Veterinary Clinical Sciences (M.S., Ph.D.)
51	Veterinary Dentistry
51	Veterinary Dermatology
51	Veterinary Emergency and Critical Care Medicine
51	Veterinary Internal Medicine
51	Veterinary Medicine (D.V.M.)
51	Veterinary Microbiology
51	Veterinary Nutrition
51	Veterinary Ophthalmology
51	Veterinary Pathology
51	Veterinary Practice
51	Veterinary Preventive Medicine

Code	Titles
51	Veterinary Radiology
51	Veterinary Residency Programs, Other
51	Veterinary Surgery
51	Veterinary Toxicology
26	Virology
50	Visual and Performing Arts
50	Visual and Performing Arts, Other
53	Vocational High School Diploma
20	Vocational Home Economics, Other
51	Vocational Rehabilitation Counseling
12	Waiter/Waitress and Dining Room Manager
47	Watch, Clock and Jewelry Repairer
15	Water Quality and Wastewater Treatment Tech./Technician
14	Water Resources Engineering
49	Water Transportation Workers, Other
48	Welder/Welding Technologist
05	Western European Studies
03	Wildlife and Wildlands Management
20	Window Treatment Maker and Installer
05	Women's Studies
03	Wood Science and Pulp/Paper Tech.
48	Woodworkers, General
48	Woodworkers, Other
36	Writing
51	Zoological Medicine
26	Zoology, General
26	Zoology, Other

VI. LIST OF MFOS EXAMPLES IN EACH CODING CATEGORY

Code	CIP Category	Examples of MFOS
01	Agricultural Business & Production	Agricultural economics Farm and ranch management
02	Agricultural Sciences	Dairy science Poultry science
03	Conservation & Renewable Natural Resources	Environmental sciences/studies Natural resources management and policy
04	Architecture & Related Programs	City/urban, community & regional planning Landscape architecture
05	Area, Ethnic & Cultural Studies	African studies Women's studies
08	Business	Financial services marketing operations Travel and tourism General selling and sales skills
09	Communications	Advertising Speech communications
10	Communications Technologies	Radio and television broadcasting technology Communications technology
11	Computer & Information Sciences	Computer science Systems analysis
12	Personal & Miscellaneous Services	Barber/hairstylist Bartender Waiter/waitress
13	Education	English as a second language Literature
14	Engineering	Electrical engineering Civil engineering Chemical engineering
15	Engineering-Related Technologies	Engineering technology Robotics technology Plastics technology
16	Foreign Languages & Literatures	Linguistics Foreign languages and literature Foreign language interpretation/translation
19	Home Economics	Foods and nutrition science Family and marriage counseling Family development studies
20	Vocational Home Economics	Child care and elder care Tailor Housekeeper
21	Technology Education/Industrial Arts	Industrial arts
22	Law & Legal Studies	Pre-law studies Paralegal/legal assistant
23	English Language & Literature/Letters	Business writing Speech and rhetorical studies
24	Liberal Arts & Sciences, General Studies & Humanities	General studies Humanities/humanistic studies
25	Library Sciences	Library science Library assistant

Code	CIP Category	Examples of MFOS
26	Biological Sciences/Life Sciences	Biochemistry Microbiology Anatomy
27	Mathematics	Applied mathematics Mathematical statistics
28	Reserve Officers' Training Corps Programs	Air Force R.O.T.C./air science Navy/Marine corps R.O.T.C./Naval science
29	Military Technologies	Military technologies
30	Multi/Interdisciplinary Studies	Peace and conflict Biological and physical sciences Museum studies
31	Parks, Recreation, Leisure & Fitness Studies	Health and physical education General athletic training Sports medicine
32	Basic Skills	Basic skills General career skills
33	Citizenship Activities	Becoming a U.S. citizen Community involvement
34	Health-Related Knowledge & Skills	Birthing classes
35	Interpersonal & Social Skills	Business and social skills Interpersonal relationships skills
36	Leisure & Recreational Activities	Arts & crafts
37	Personal Awareness & Self-Improvement	Stress management and coping skills
38	Philosophy & Religion	Philosophy Philosophy and religion
39	Theological Studies & Religious Vocations	Bible/biblical studies Religious/sacred music
40	Physical Sciences	Chemistry Oceanography Earth and planetary sciences
41	Science Technologies	Nuclear/nuclear power technology
42	Psychology	Social psychology Counseling
43	Protective Services	Police Fire protection Criminal justice and corrections
44	Public Administration & Services	Social work Public policy analysis
45	Social Sciences & History	Economics Urban studies Criminology

Code	CIP Category	Examples of MFOS
46	Construction Trades	Plumbers Pipefitters Masons Carpenters
47	Mechanics & Repairers	Locksmith/gunsmith Watch/jewelry repair Refrigerator repairmen
48	Precision Production Trades	Drafting Upholsterers Meat cutters Metal cutters
49	Transportation & Materials Moving Workers	Airline pilots/ air traffic controllers Bus driver Equipment operators
50	Visual & Performing Arts	Graphic design Fine arts
51	Health Professions & Related Sciences	Pre-medicine studies Medicine Nursing
52	Business Management & Administrative Services	Real estate Human resources Accounting Business communications Insurance Risk management Taxes
91	Indeterminable/Other/Unknown	Human relations Double/multiple majors